SMILE TECHNOLOGY

TOOLS FOR DENTAL IMPLANTOLOGY

BY **EDIERRE IMPLANT SYSTEM**

TOOLS FOR DENTAL IMPLANTOLOGY

EDIERRE IMPLANT SYSTEM: VALUES, SERVICES AND PRODUCTS

IMPLANTS, SURGICAL TOOLS AND PROSTHETISATION COMPONENTS

TOOLS FOR DENTAL IMPLANTOLOGY

SMILE
TECHNOLOGY

VALUES, SERVICES AND PRODUCTS

WHO WE ARE
EXPERIENCE AND INNOVATION: THE HISTORY OF EDIERRE IMPLANT SYSTEM S.p.A.

Edierre Implant System S.p.A. is an Italian Company leading in dental biotechnologies.

Born in Genova in 2003 from the experience of a pool of professionals, the Company increased over time its partnerships with bioengineers, surgeons, and clinical dental technicians. This brought Edierre Implant System S.p.A. along an exciting search path, in order to have state-of-the-art fixtures, surgical equipment and prosthetic parts that are now available for our Costumers.

The partnership with professionals is our strength.
Their opinion, advices and requests allow us to grow and improve.

We develop customized projects based on specific requests of our clients. Our Company offers also training courses for dentists, surgeons and dental assistants.

SMILE TECHNOLOGY by edierre implant system

The system is certified in accordance with **UNI CEI EN ISO 13485:2016** and it is governed by a Quality System in line with the requisites called for in Directive **93/42/CEE** for medical devices with regard to design, production and marketing.

Thanks to its thoroughness and precision in the product design stage, the quality level of its production and of the materials used, and to the checks carried out in each of the various stages up to packaging of the product, the company EDIERRE IMPLANT SYSTEM has obtained **CE certification.**

Edierre Implant System S.p.A. Via Felice Cavallotti 35r/B - 16146 Genova, Italy

EDIERRE DENTAL IMPLANT PASSPORT

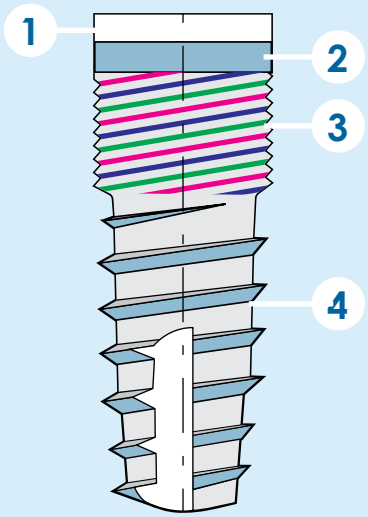
It is a document supplied to the patient who has received a dental prosthesis. It grants the origins of the products and its traceability.

Labels found on the pack are attached on the Dental Implant Passport.

At any time it supplies information about all dental device in your mouth to any dentist.

OUR IMPLANT SYSTEM

PRIMER S.R.



1 MACHINED AREA

For esthetical reasons it could be positioned below the profile of the bony crest to allow osteointegration or above the profile of the bony crest so to produce the periosteal seal.

2 SAFETY AREA

Same surface of the implant but without thread. To avoid the exposure of the turns in case of small reabsorption around the implant neck; to favour the handling of these situations and to reduce the risks of perimplantitis.

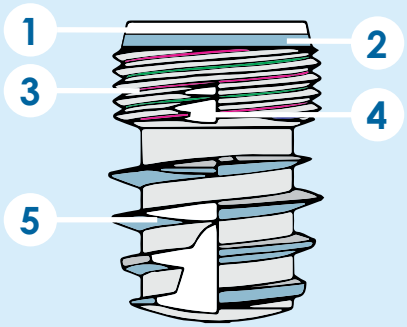
3 AREA WHERE TURNS ARE CLOSE TOGETHER AND NOT VERY MARKED
(3 principles)

Ideal for the impact with the cortical bone.

4 AREA WHERE TURNS ARE FARTHER APART AND VERY MARKED

to provide excellent anchorage in the medullary bone.

PRIMER SHORT



1 MACHINED AREA

For esthetical reasons it could be positioned below the profile of the bony crest to allow osteointegration or above the profile of the bony crest so to produce the periosteal seal. The prosthetic diameter of 4.2mm is compatible with all small four-lobed connection prosthetic components in use.

2 SAFETY AREA

Same surface of the implant but without thread. To avoid the exposure of the turns in case of small reabsorption around the implant neck; to favour the handling of these situations and to reduce the risks of perimplantitis.

3 AREA

where turns are suitable for an excellent primary stability in the cortical bone.

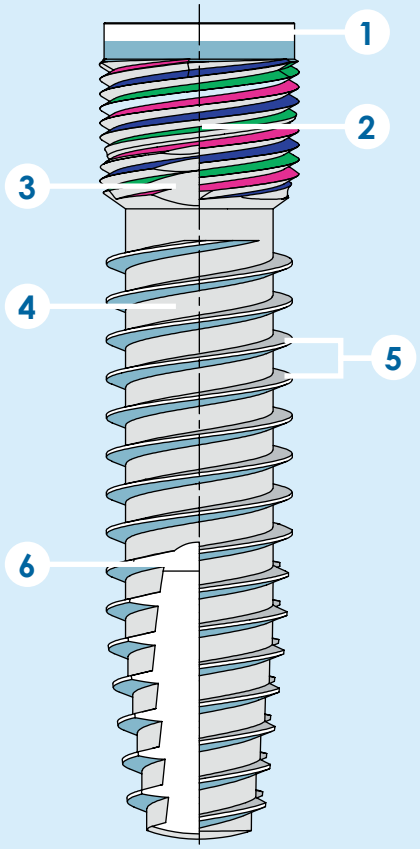
4 SELF-TAPPING INCISIONS

also in the cortical area to favour the passage between the turns.

5 AREA

where the turns are developed progressively so to produce a wider turn in the central part to guarantee higher stability against lateral stresses. Maximum width of the turns: Ø 4.8mm.

PRIMER E.T.



1 MACHINED AREA

2 AREA WHERE TURNS ARE CLOSE TOGETHER AND NOT VERY MARKED
(five-start threadform)

Ideal for the impact with the cortical bone.

3 SELF-TAPPING INCISIONS

also in the cortical area to favour the passage between the two-start threadform and the five-start threadform.

4 AREA WHERE TURNS ARE FARTHER APART AND VERY MARKED
(two-start threadform)

to provide excellent anchorage in the medullary when bone quality is poor.

5 LEAD INCREASED BY 1.6mm

Insertion speed increased by 60% to favour the dentist practice and the comfort of the patient.

6 SELF-TAPPING INCISIONS IN THE CANCELLOUS AREA

to favour insertion of the fixture without compromising primary stability.

DESIGN OF THE IMPLANT

The shape of the implant has a slightly conical form in the apical part. This has the purpose of enabling better adaptation to the profile of the bony crest that often features substantial vestibular re-absorption, in particular with reference to the maxillary teeth. **The coronal part, on the other hand, is cylindrical, in order to ensure greater primary stability of the implant. The same reason underlies the choice of a threaded fixture.**

It has by now been widely demonstrated that one of the greatest critical factors of the success of an implant is primary stability [1-2-3], and that this stability is dependent to a very great extent upon the shape of the implant [3-4-5].

Specifically, the best results mentioned in literature have been achieved with threaded implants [5-6-7]

FUNCTIONS OF THE THREAD:

- **It increases the surface area of contact between the bone and the implant**
- **It transforms lateral stresses** (poorly tolerated by the implant) into vertical forces featuring an apical pattern (the most easily tolerated) thanks to the support provided by the turns.
- **It increases retention and primary stability** substantially thanks to the self-tapping introduction procedure [5]
- **It improves the bone quality,** thanks to the action of compressing and condensing of the bone tissue exercised by the turns during screwing [6-7].

Special attention has been paid to investigating these points, with reference also to the possibility of immediate loading. Since the literature mentions an optimum screwing torque varying between 32 and 40 n/cm [8], below which stability is not 100% guaranteed and above which the response of the bone tissue would not seem to be favourable, it was decided to design the thread in two separate sections.

The turns are therefore close together and not very marked in the area intended to engage in the cortical bone. Here, on the average, the tissue will be compact and not require condensing, so that with a good grip it will provide excellent anchorage. **The turns are farther apart and more marked,** on the other hand, in the area of the implant that will be sunk into the cancellous bone, where compression and condensing are often useful and in which safe anchoring is definitely facilitated by wider turns.

On the neck of the implant, which is not threaded [9] **and has a height of 0.5 mm, the apical half is treated while the coronal half is machined.**

The choice of this compromise was determined by the advisability of maintaining a biological width as close as possible to the physiological width above the emergence of the implant, limiting offsetting bone resorption processes as much as possible but without losing sight of the need for optimum aesthetic results. This latter consideration often induces the surgeon to sink the implant deeper into the bone, above all in the frontal sectors.

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IMPLANT DESCRIPTION

IMPLANT SURFACE

Surface processing of the fixtures calls for two separate stages:

- **Roughening of the surface:** during which the screw is given a controlled degree of roughness
- **Cleaning of the surface:** during which all contaminants and foreign elements are removed. Both stages use advanced technology enabling state-of-the-art specifications to be met.

SURFACE ROUGHENING

The morphology of the surface of Primer S.R. implants is controlled by means of a roughing process with acids followed by treatment with bases. The resulting surface presents a high concentration of oxydrilic surface groups, the importance of which in mineralisation processes is recognised in several recent theories.

- **The surface roughness** is of the order of microns, with a peak-to-peak distance smaller than the size of a cell. The data in literature at our disposal [4-6-10-11-12] indicate that, regardless of the manner in which it is obtained, this is the best surface currently available for obtaining osteointegration.
- **Modification of the surface** is carried out by means of a removal process in which no material is added and therefore no potential problems of detachment are generated. Furthermore, there is no sanding, which often causes the presence of residues on the implant surface.Complete removal of process contaminants is ensured by a very thorough cleaning protocol calling for washing in apyrogenous water and decontamination by means of plasma treatment.

CHEMICAL COMPOSITION

Control of the chemical composition of the surface, in particular in the fundamental stage of the decontamination process, has reached high levels of effectiveness and reproducibility thanks to the introduction of advanced specific processes.

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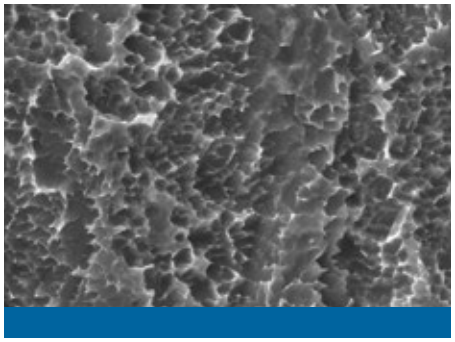

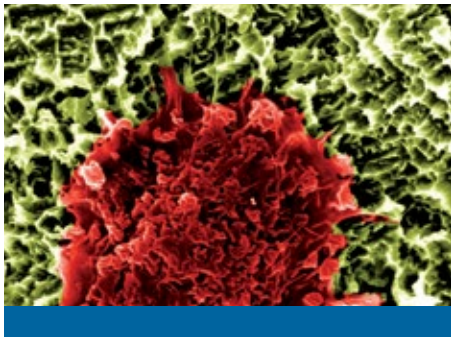

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SURFACE CLEANING

Cleaning of the surfaces of titanium implants is an **important and complex operation**.

The processes for manufacturing fixtures [turning, surface finishing] may leave traces of dirt or foreign substances, that can interfere with the healing process of the bone. Conventional cleaning operations with solvents do not guarantee complete cleaning. This is because even **very pure solvents** can leave traces on the underlying surface. **The few impurities present** or the molecules of the solvent itself could combine with the substances making up the surface, especially in the case of materials as reactive as titanium.

The ideal cleaning method should be incapable of reacting chemically with the implant and, at the same time, be very effective in removing any contaminants present on it. With plasma cleaning it is possible to apply this ideal principle. This technology originated in the world of microelectronics and had been successfully transferred to the field of medical devices.

Plasma cleaning has now been adopted by the leading manufacturers in this field.

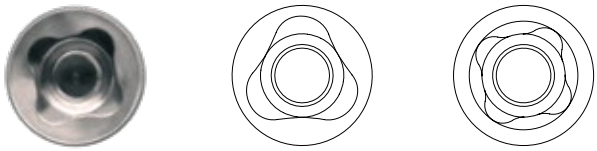
Plasma cleaning is carried out in special reactors at a pressure lower than atmospheric pressure, using electrical fields that cause the acceleration of charged particles and partial ionisation of the gas introduced into the reactor. Argon is the gas most commonly used for these cleaning operations, although it is also possible to use air or oxygen.

The devices to be cleaned are placed in a reactor and the plasma is ignited. The material is thus surrounded by an inert gas atmosphere that contains ions, electrons and a whole range of chemical species. Accelerated by the electrical field present in the plasma, these strike the surface subjecting it to genuine bombardment. The cleaning action is generated by the physical effect of the bombardment, which causes organic contaminants to become detached from the surface and be removed, and enables clearing to a degree that cannot be equalled by other techniques. The process parameters can be closely controlled and adapted to the specific material or device to be cleaned, ensuring reproducibility of the effect and very constant quality.

IMPLANT DESCRIPTION

THE IMPLANT CONNECTION

At present the evolution of the market allows dentists to choose among a larger range of implant systems.
Despite their large number though, the dental systems evolve around three main types that differ in their connection mode: the screwed-in, the cemented and the conometric systems.



The most popular connection is the screwed-in connection, with an external hexagon according to the Swedish school. Since the literature mentions, most studies concern the biomechanical complications identified for this connection due to its long-standing use as well as the occurrence of a larger number of inconveniences compared to other systems: the loosening and possible breakage of the fixing screw or even worse the breakage of the implant neck.
Based on this knowledge new types of connections are studied. During the years the antirotational mechanism of the fixture has been the object of several improvements, leaving aside the classic designs (hexagon, octagon) and developing towards pure conometrics or its combination with classic solutions.

- The internal connection designed for the Primer SR fixture consists in a smooth joint and a central cylinder which penetrates several millimeters into the implant body; as antirotational element it consists of a four-lobed cam which gives mechanical resistance and stability against lateral loads.

- The coupling between the implant platform and the abutment does not occur with a butt joint but with a bivelled joint. This is the best way to join two metallic surfaces together.

- The solution of a cam-type connection reduces sharp edges in the connection. From a biomechanical viewpoint, two rounded surfaces have higher resistance against lateral loads rather than two flat surfaces that converge in an edge.

- The cams enable the coupling of the prosthetic parts in four positions only, every 90°, offering always safe and easy connection of the prosthetic components in the correct position and reducing the working time. The coupling fixture/abutment offers a higher performance compared to traditional designs. From a clinical point of view, it is extremely important as it notably reduces the mechanical complications related to the joint.

The connection project was designed by Dr. Nicola Ciampoli, who works for the San Raffaele Hospital in Milan in an advisory capacity.

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PACKAGING

Outer box bearing an adhesive label with removable parts indicating:

- the Item code
- the Item description
- the Dimensions
- the Batch number
- the Expiry date

International symbols on the box indicating:

- consult instruction for use
- sterilized using radiation
- do not re-sterilize
- do not re-use
- do not use if package is damaged
- caution
- CE marking
- Identification number of the Certification body
- manufacturer
- a red sticker confirming sterilisation

Inside of the box:

- Instructions for use
- Transparent blister
- Inside the blister: a double glass vial containing the fixture. The glass is bronze coloured as it is sterile and sealed.
- on the cap there is an additional safety seal colour coded according to the diameter of the implant.
- on the outer glass vial a label indicating the item code, the batch number, the fixture dimensions, the expiry date and the certification identification number.
- inside the internal glass vial: the fixture supported by its mounter; the mounter supports the cap screw to be used after the first surgical phase.

The prosthesis components are packed as follows:

In a plastic vial inside a plastic bag, both non-sterile, bearing a label indicating:

- the item code
- the dimensions
- the batch number
- the expiry date
- CE marking (for the IIa class devices also the Certification Identification Mark). Inside the clip bag the Instructions for use for the specific item.

In a non-sterile plastic clip bag

Bearing a label on which the item code, the dimensions, batch number, the expiry date and the CE marking (for the IIa class devices also the Certification Identification Mark). Inside the clip bag the instructions for use for the specific item.

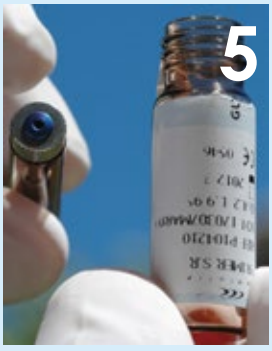
INSTRUCTIONS FOR OPENING THE PRIMER IMPLANT PACKAGING

Remove the glass vial from the blister pack.

Unscrew the cap, removing the safety seal as you do so.

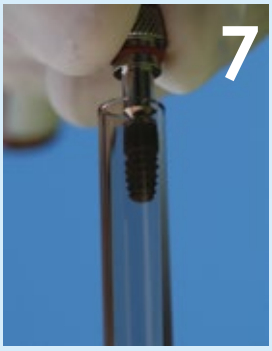
Take out the internal glass vial.

The fixture is inside the internal glass vial, supported by its mounter.

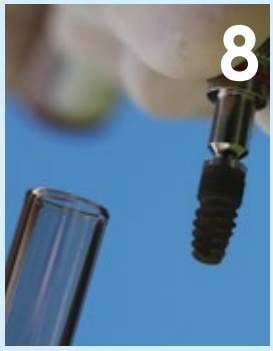


The mounter supports the cap screw, the colour of which depends on the diameter of the fixture.

Grasp the mounter between your fingers.



Take out the fixture.



Insert the fixture into the implant site and remove the mounter. Keep the cap screw.

SURGICAL TRAYS

SURGICAL TRAYS AVAILABLE

Cod. prodotto P 500000 with ISO screwdrivers (for handpiece)
Cod. prodotto P 700000 with Manual screwdrivers
Cod. prodotto P 400000 Customizable Tray

COMPONENTS

Spade drill	Ø 2.2
Pilot Drill	Ø 2.2
Calibrated Drill	Ø 3.30
Calibrated Drill	Ø 3.75
Calibrated Drill	Ø 4.2
Calibrated Drill	Ø 4.5
Calibrated Drill	Ø 4.8 SHORT
Calibrated Drill	Ø 5
Neck Drill	Ø 3.30
Neck Drill	Ø 3.75
Neck Drill	Ø 4.2
Neck Drill	Ø 4.5
Neck Drill	Ø 5
Trial implant screws	Ø 3.30 x 15
Trial implant screws	Ø 3.75 x 15
Trial implant screws	Ø 4.2 x 15
Trial implant screws	Ø 4.5 x 15
Trial implant screws	Ø 5 x 15
Trial implant abutment	Ø 3.30
Trial implant abutment	Ø 3.75
Trial implant abutment	Ø 4.2
Trial implant abutment	Ø 4.5
Trial implant abutment	Ø 5
Ratchet	
Parallelism Indicator	
Depth Indicator	
Manual Screwdriver for cap screw and abutments	

Only for P 500000

Short three-lobed cam screwdriver for handpiece	Ø 3.3
Long three-lobed cam screwdriver for handpiece	Ø 3.3
Short small cam screwdriver for handpiece	Ø 3.75/4.2/4.5
Long small cam screwdriver for handpiece	Ø 3.75/4.2/4.5
Short large cam screwdriver for handpiece	Ø 5
Long large cam screwdriver for handpiece	Ø 5
Short hexagonal screwdriver for handpiece (for connection screws)	
Long hexagonal screwdriver for handpiece (for connection screws)	

Only for P 700000

Short three-lobed cam manual screwdriver	Ø 3.3
Long three-lobed cam manual screwdriver	Ø 3.3
Short small cam manual screwdriver	Ø 3.75/4.2/4.5
Long small cam manual screwdriver	Ø 3.75/4.2/4.5
Short large cam manual screwdriver	Ø 5
Long large cam manual screwdriver	Ø 5
Short hexagonal manual screwdriver (for connection screws)	
Long hexagonal manual screwdriver (for connection screws)	

CUSTOMIZABLE TRAY

Example of surgical customizable kit: Easy Tapping KIT

- Ratchet
- Spade drill
- Long Pilot drill
- Calibrated drill
- Screwdrivers for implant insertion
- Flat-head screwdriver for insert
- Neck drill
- Depth indicator
- Parallelism indicator
- Short hexagonal screwdriver

on the left
Standard Surgical Kit

on the right
Customizable Kit

PRIMER

The surgical Tray is composed of a Radel® support with special spaces with coloured silicon gaskets that enable a stable positioning and facilitate the selection of the needed instruments.

The surgical tray is posed inside a Radel® box with holes on the top and on the bottom, that facilitate the passage of the steam and guarantee the autoclaving.

INSTRUCTIONS FOR CLEANING

CLEANING

- Do never allow organic debris to dry on the instruments
- Place groups of instruments of the same metal in ultrasonic cleaner only.
- Do not put sharp instruments together
- Do not use metallic brushes
- Often change the detergent solution
- After disinfection rinse thoroughly all instruments with cold tap water.
- Inspect instruments: items with joints have to be lubricated with special surgical instruments' lubricant
- Inspect the internal part of the aspiration cannulas
- Note: Microorganisms may be found under debris on inappropriate cleaned items. This makes the sterilization process ineffective.
- With the exception of dental implants only, all components supplied in NON-STERILE condition, even those that enter the oral cavity temporarily, must be CLEANED and DISINFECTED using specific products for medical devices and STERILIZED in autoclave following coherently the instructions for use supplied by the autoclave´s manufacturer.
- Follow manufacturer's recommendations for proper cleaning products (detergents and disinfectants).
- Follow manufacture's recommendations formulated specifically for autoclaves and ultrasonic machines: temperatures, exposure time, wrapping for sterilization, maintenance.
- The maintenance and the instructions for micromotors for implants and maxillofacial surgery or microsurgery have to be carefully inspected. Their malfunctioning may compromise the good performance of the surgery.

WARNING:

- **Sterilization do not replace cleaning.**
- **Do not re-use nor re-sterilize the single-use instruments**

Cleaning of Surgical trays:

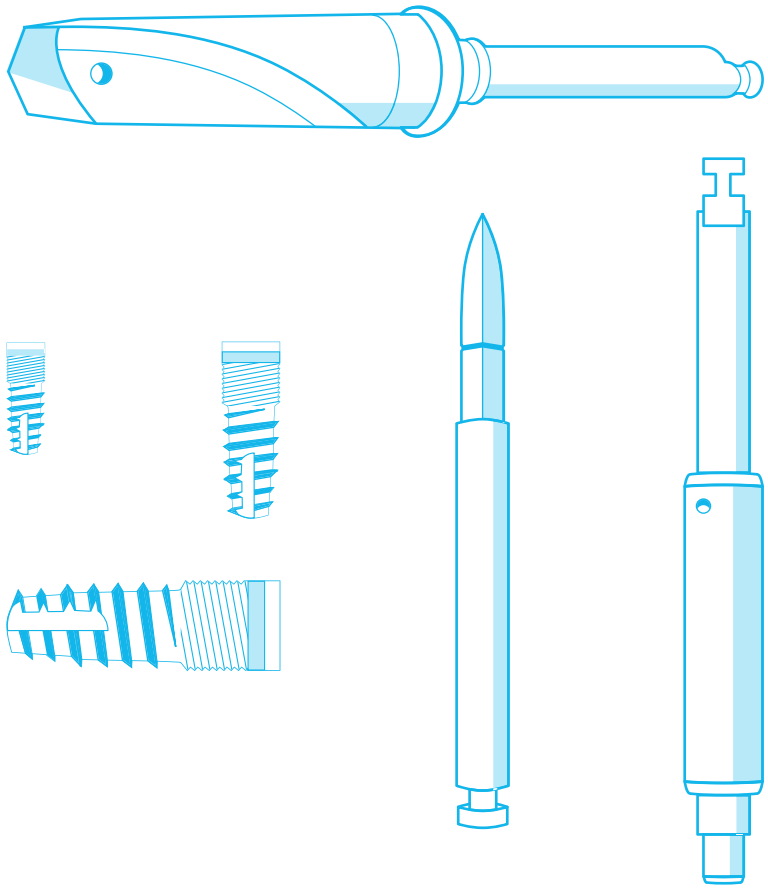
- **First plunge the surgical tray into a decontaminating solution and after into a detergent solution.**
- **Use 5-9 PH detergents only (higher or lower PH values, destroy the anodized aluminum coating, markings or symbols.**
- **Wrap and sterilize perforated trays only.**

ALWAYS check the correct functioning of sterilizing machines

- **Malfunctioning may compromise the sterilization process and damage the sterilized instruments**

Tips during and after surgery

- during surgery put used instruments in a container filled with distilled water
- Decontaminating (Paracetic Acid): after surgery, remove carefully all organic debris
- Deterging (enzimatic) - remove drill stops from the drills
- remove the drill extention
- scrub carefully the drills with a soft brush (do not use a metallic brush)
- bathe the drill irrigation canal (hole) and the lateral holes with an orthodontic wire or an appropriate drill
- only use neutral PH cleaners
- rinse instruments under cold tap water
- put instruments in an ultrasonic container and avoid contact between sharp instruments
- carefully dry the drills using a air-compressed pistol
- also dry the internal part of the drills or of any other instruments with irrigation
- inspect if instruments are damaged
- reassemble instruments and check if they work
- wrap the instruments individually
- place the instruments in the specific container
- wrap the surgical tray
- add a label of sterility
- add a label with the expiry date of sterility
- place the instruments in the appropriate containers: the heavier at the bottom.
- do not place too many instruments in the sterilization room as they could cover one another and therefore compromise the sterilization process
- at the end of sterilization cycle (autoclave), before the drying cycle, leave the door slightly open; then follow the instructions for the drying cycle
- do not widely open the door before the drying cycle. Fresh air exposure may cause condensation with consequent formation of grey marks on instruments.



PRIMER S.R., PRIMER SHORT AND PRIMER EASY TAPPING, DRILLS AND SURGICAL PRODUCTS

PRIMER S.R.

PRIMER SR THREE-LOBED CAM Ø3,3

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 103310	Ø 3.3	L 9.95	grey
P 103311	Ø 3.3	L 11	grey
P 103313	Ø 3.3	L 13	grey
P 103315	Ø 3.3	L 15	grey

CONTENT OF THE PACK

- Threaded implant Grade 4 Ti
- Mounter Grade 5 Ti
- Cap screw Grade 2 Ti

TECHNICAL INFORMATION

- All the implants have mounters for manual introduction.
- Once the mounter has been grasped between the fingers, without touching the fixture, put into place and partly screw down, continue screwing with the handpiece or with the ratchet P500002, using the appropriate ISO insert, item P900000 and the appropriate screwdrivers, item P500010, long, three-lobed cam, or item P500013 short, three-lobed cam.
- To screw the implant fixture, it is possible to use the ratchet with big insert P800000, using the manual screwdrivers for three-lobed cam item P600010 long, and item P600013 short.
- The cam screwdrivers have dot markings used as references for directing the cams of the implant while screwing. This should be useful when applying the prosthesis, if we are using an angled abutment.
- Recommended screwing speed: 15/20 rpm.
- Torque not exceeding 40 Ncm.
- No irrigation.
- We recommend removing the cap screw from its mounter and screwing it onto the implant using the manual screwdriver with no torque control item P500005/ item P600000, to have direct perception of correct positioning of the screw and of its screwing.

PRIMER SR FOUR-LOBED CAM, LARGE Ø5,0

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 105085	Ø 5	L 8.5	green
P 105010	Ø 5	L 9.95	green
P 105011	Ø 5	L 11	green
P 105013	Ø 5	L 13	green
P 105015	Ø 5	L 15	green

CONTENT OF THE PACK

- Threaded implant Grade 4 Ti
- Mounter Grade 5 Ti
- Cap screw Grade 2 Ti

TECHNICAL INFORMATION

- All the implants have mounters for manual introduction.
- Once the mounter has been grasped between the fingers, without touching the fixture, put into place and partly screw down. Continue screwing with the handpiece or with the ratchet, item P500002 using the appropriate ISO insert, item P900000 and the appropriate screwdrivers: P500009, long, four-lobed cam, or item P500012 short, four-lobed cam.
- To screw the implant fixture, it is possible to use the ratchet with big insert, item P800000, using the manual screwdrivers for four-lobed cam, item P600012 short and item P600009 long.
- The cam screwdrivers have dot markings used as references for directing the cams of the implant while screwing. This should be useful in the prosthetic stage, if we are using an angled abutment.
- Recommended screwing speed: 15/20 rpm.
- Torque not exceeding 40 Ncm.
- No irrigation.
- We recommend removing the cap screw from the mounter and screwing it onto the implant using the manual screwdriver with no torque control, item P500005 / item P600000 to feel directly the correct positioning of the screw and how it is screwed in.

PRIMER SR FOUR-LOBED CAM Ø3,75/4,2/4,5

CONTENT OF THE PACK	CODE	DIAMETER mm	LENGTH mm	COLOUR
• Threaded implant Grade 4 Ti	P 103785	Ø 3.75	L 8.5	yellow
• Mounter Grade 5 Ti	P 103710	Ø 3.75	L 9.95	yellow
• Cap screw Grade 2 Ti	P 103711	Ø 3.75	L 11	yellow
	P 103713	Ø 3.75	L 13	yellow
	P 103715	Ø 3.75	L 15	yellow
	P 104285	Ø 4.2	L 8.5	blue
	P 104210	Ø 4.2	L 9.95	blue
	P 104211	Ø 4.2	L 11	blue
	P 104213	Ø 4.2	L 13	blue
	P 104215	Ø 4.2	L 15	blue
	P 104510	Ø 4.5	L 9.95	red
	P 104511	Ø 4.5	L 11	red
	P 104513	Ø 4.5	L 13	red
	P 104515	Ø 4.5	L 15	red

PRIMER SHORT FOUR-LOBED CAM Ø4,8

CONTENT OF THE PACK	CODE	DIAMETER mm	LENGTH mm	COLOUR
• Threaded implant Grade 4 Ti	P 104866	Ø 4.8	L 6.6	white
• Mounter Grade 5 Ti				
• Cap screw Grade 2 Ti				

TECHNICAL INFORMATION

- All the implants have mounters for manual introduction.
- Once the mounter has been grasped between the fingers, without touching the fixture, put into place and partly screw down. Continue screwing with the handpiece or with the ratchet, item P500002 using the appropriate ISO insert, item P900000 and the appropriate screwdrivers: item P500008, long, four-lobed cam, or item P500011 short, four-lobed cam.
- To screw the implant fixture, it is possible to use the ratchet with big insert, item P800000, using the manual screwdrivers for four-lobed cam, item P600008 long and item P600011 short
- The cam screwdrivers have dot markings used as references for directing the cams of the implant while screwing. This should be useful when applying the prosthesis, if we are using an angled abutment.
- Recommended screwing speed: 15/20 rpm
- Torque not exceeding 40 Ncm.
- No irrigation.
- We recommend removing the cap screw from the mounter and screwing it onto the implant using the manual screwdriver with no torque control, item P500005 / item P600000 to feel directly correct positioning of the screw and how it is screwed in.

PRIMER EASY TAPPING DRILLS AND SURGICAL PRODUCTS

PRIMER EASY TAPPING, SMALL FOUR-LOBED CAM Ø3,75/4,2

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 113711	Ø 3.75	L 11	yellow
P 113713	Ø 3.75	L 13	yellow
P 113715	Ø 3.75	L 15	yellow
P 113718	Ø 3.75	L 18	yellow
P 113723	Ø 3.75	L 23	yellow
P 114211	Ø 4.2	L 11	blue
P 114213	Ø 4.2	L 13	blue
P 114215	Ø 4.2	L 15	blue
P 114218	Ø 4.2	L 18	blue

CONTENT OF THE PACK

- Threaded implant Grade 4 Ti
- Mounter Grade 5 Ti
- Cap screw Grade 2 Ti

TECHNICAL INFORMATION

- All E.T. dental Implants have a mounter for manual introduction.
- Once the mounter has been grasped between the fingers, without touching the fixture, put into place and partly screw down, continue screwing using the handpiece or the Ratchet, item P500002 equipped with the large Insert, item P800000 with the manual screwdrivers: Long manual Screw-driver, item P600008 for small four-lobed cam implant and Short manual Screwdriver, item P600011 for large four-lobed cam implant.
- Screw-drivers have dot markings serving used as references for directing the cams of the implant while screwing. This should be useful when applying the prosthesis, if we are using an angled abutment.
- Recommended speed when using the handpiece: 15/20 rpm
- Maximum torque: 40 N.
- Remove the cap screw from the mounter head and screw it onto the implant using the long manual hexagonal screwdriver, item P600006 or short manual hexagonal screwdriver, item P600007 in order to feel the correct positioning of the implant.

SPADE DRILL WITHOUT IRRIGATION

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 510000	Ø 2.2	L 26	none

TECHNICAL FEATURES

- **Material** Steel M340
- **Diameter** 2.2 mm
- **Length** 26 mm
- **External cooling**
- **Laser marking** at 5 mm

TECHNICAL INFORMATION

- This is used to start drilling the cortical bone, preparing it for the drills to be used subsequently
- Recommended speed: 800-1000 rpm

PILOT DRILL WITH IRRIGATION FOR PRIMER SR WITH DLC COATING

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 5222BIO	Ø 2.2	L 35	white

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Surface** Diamond-like carbon coating. Its characteristics are: Resistance to abrasion and wear, Smoothness and anti-adherence, Resistance to corrosion and chemical attack by acids, bases and salts, Compactness, Biocompatible.
- **Diameter** 2.2 mm
- **Length** 35 mm
- **Laser marking** 6.6/8.5/9.95/11/13/15 mm
- **Internal cooling**
- **Drill stops are available**

TECHNICAL INFORMATION

- This is used as a pilot drill when preparing the implant site, for establishing the depth and the angle of inclination
- Recommended speed: 800-1000 rpm

CONICAL DRILLS WITH IRRIGATION FOR PRIMER SR WITH DLC COATING

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 5633BIO	Ø 3.3	L 35	grey
P 5637BIO	Ø 3.75	L 35	yellow
P 5642BIO	Ø 4.2	L 35	blue
P 5645BIO	Ø 4.5	L 35	red
P 5650BIO	Ø 5	L 35	green

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Surface** Diamond-like carbon coating. Its characteristics are: Resistance to abrasion and wear, Smoothness and anti-adherence, Resistance to corrosion and chemical attack by acids, bases and salts, Compactness, Biocompatible.
- **Length** 35 mm
- **Diameter** 3.3 mm colour code grey
- **Diameter** 3.75 mm colour code yellow
- **Diameter** 4.2 mm colour code blue
- **Diameter** 4.5 mm colour code red
- **Diameter** 5 mm colour code green
- **Drill stops are available**
- **Internal cooling**
- Conical drills of 3.3, 3.75 and 4.2 mm diameters have laser marking at 6.6/8.5/9.95/11/13/15mm
- Conical drills of 4.5 and 5.0mm diameters have laser marking at 8.5/9.95/11/13/15mm.

TECHNICAL INFORMATION

- These are used in sequence with progressively increasing diameters for the implant site up to the chosen diameter.
- Conical drills have an internal system of irrigation. This enables them to be used at fairly high speeds (800 r.p.m.) without creating a damage of overheating to the bone.
- They must be used with equipment suitable to control the speed precisely and the torque at which they are used. This will be useful for deciding whether or not to use the neck drills/thread formers.
- It is essential for this equipment to be fitted with a sufficiently powerful peristaltic pump to ensure good irrigation of the drill also when it is working in compact bone tissue.

CALIBRATED SHORT DRILL FOR PRIMER SR WITH IRRIGATION

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 594866	Ø 4.8	L 33	none

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Lenght** 3,3 mm
- **Diameter** 4,8 mm
- **Depth stops** available
- **Internal cooling**
- **Laser markings** only 6,6mm mark

TECHNICAL INFORMATION

- For the preparation of the implant site for the SHORT Primer S.R. Implant: drill the hole with the D. 2.2mm pilot drill to the first mark (6.6 mm); according to the bone quality carry on with the following steps: Use D.3.3mm conical Drill and possibly D. 3.75mm conical Drill, only to create an invitation in the cortical bone, capable of receiving the tip drill of the calibrated Short Drill. Then complete the final hole with the D.4.8mm calibrated Short drill up to the mark indicated.
- Recommended speed: 400/800 rpm.
- Internal Irrigation.

NECK DRILL WITH IRRIGATION

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 573300	Ø 3.3	L 30	grey
P 573700	Ø 3.75	L 30	yellow
P 574200	Ø 4.2	L 30	blue
P 574500	Ø 4.5	L 30	red
P 575000	Ø 5	L 30	green

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Diameter** 3.3 mm colour code grey
- **Diameter** 3.75 mm colour code yellow
- **Diameter** 4.2 mm colour code blu
- **Diameter** 4.5 mm colour code red
- **Diameter** 5 mm colour code green
- **Internal cooling**
- **Length** 30mm

TECHNICAL INFORMATION

- Use only the neck drill with a diameter corresponding to that of the chosen implant.
- The blunt tip helps to guide the drill, giving it the right angle of inclination.
- In spite of the fact that this drill is irrigated, we do not recommend exceeding a speed of 400 rpm. This will enable better control of the depth of penetration into the site.
- It is advisable to use a neck drill in all cases in order to make it easier to insert the implant into the cortical bone without causing stresses at the implant site. It is not necessary to use a neck drill in type IV bone.

DRILL EXTENTION

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 500003	Ø int. 2.35; Ø est. 4	L 30	none

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Diameter** Internal 2.35mm/External 4.0mm

TECHNICAL INFORMATION

- This drill extention with internal irrigation is used for mechanical coupling with handpiece, when the length of the drill does not allow to reach the required position.

DRILL STOPS

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 582200	Ø 2.2	L 8.5/9.95/11/13	none
P 583337	Ø 3.3/3.75	L 8.5/9.95/11/13	none
P 584245	Ø 4.2/4.5	L 8.5/9.95/11/13	none
P 585000	Ø 5	L 8.5/9.95/11/13	none

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Laser marking** at 8.5/9.95/11/13mm
- **The 6.6mm drill Stops for 2.2/3.3/3.75/4.2 diameter implants are available upon request.**

TECHNICAL INFORMATION

- They can be used for all the conical drills and for the pilot drill.

PILOT DRILLS FOR PRIMER SR WITH INTEGRATED STOPS (EXTERNAL IRRIGATION)

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 982266	Ø 2.2	L 6.6	none
P 982285	Ø 2.2	L 8.5	none
P 982210	Ø 2.2	L 9.95	none
P 982211	Ø 2.2	L 11	none
P 982213	Ø 2.2	L 13	none
P 982215	Ø 2.2	L 15	none

TECHNICAL FEATURES

- **Material** Steel AISI 630.

TECHNICAL INFORMATION

- Each pilot drill of ø2.2mm available for each implant length is used to prepare the initial hole of the implant site. It has a two-edged helical conical shape.
- External Irrigation

CONICAL DRILLS WITH INTEGRATED STOPS (EXTERNAL IRRIGATION)

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 983366	Ø 3.3	L 6.6	none
P 983385	Ø 3.3	L 8.5	none
P 983310	Ø 3.3	L 9.95	none
P 983311	Ø 3.3	L 11	none
P 983313	Ø 3.3	L 13	none
P 983315	Ø 3.3	L 15	none
P 983766	Ø 3.75	L 6.6	none
P 983785	Ø 3.75	L 8.5	none
P 983710	Ø 3.75	L 9.95	none
P 983711	Ø 3.75	L 11	none
P 983713	Ø 3.75	L 13	none
P 983715	Ø 3.75	L 15	none
P 984266	Ø 4.2	L 6.6	none
P 984285	Ø 4.2	L 8.5	none
P 984210	Ø 4.2	L 9.95	none
P 984211	Ø 4.2	L 11	none
P 984213	Ø 4.2	L 13	none
P 984215	Ø 4.2	L 15	none
P 984566	Ø 4.5	L 6.6	none
P 984585	Ø 4.5	L 8.5	none
P 984510	Ø 4.5	L 9.95	none
P 984511	Ø 4.5	L 11	none
P 984513	Ø 4.5	L 13	none
P 984515	Ø 4.5	L 15	none
P 985085	Ø 5	L 8.5	none
P 985010	Ø 5	L 9.95	none
P 985011	Ø 5	L 11	none
P 985013	Ø 5	L 13	none

TECHNICAL FEATURES

- **Material** Steel AISI 630.

TECHNICAL INFORMATION

- Each conical drill, available for any implant diameter and length, is used to create the final hole of the implant. It has a two-edged helical conical shape.
- Diameter and lenght marked on the handle
- External Irrigation

LONG PILOT DRILL WITH INTERNAL IRRIGATION FOR EASY TAPPING IMPLANT

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 592237	Ø 2.2	L 36.7	white

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Diameter** 2.2 mm
- **Length** 36.7 mm
- **Laser marking** at 11/13/15/18 mm
- **Internal cooling**
- **Stops not available**

TECHNICAL INFORMATION

- This is used as a pilot drill when preparing the implant site, for establishing the depth and the angle of inclination
- Recommended speed: 800 rpm

CALIBRATED DRILLS FOR EASY TAPPING IMPLANT

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 593718	Ø 3.75	L 35.7	yellow
P 594218	Ø 4.2	L 35.7	blue

TECHNICAL FEATURES

- **Material** Steel AISI 630
- **Diameter** 3.75 mm colour code blue
- **Diameter** 4.2 mm colour code yellow
- **Length** 35.7 mm
- **Laser marking** at 11/13/15/18 mm
- **Internal cooling**
- **Stops not available**

TECHNICAL INFORMATION

- This is used for a calibrated preparation of the implant site.
- Recommended speed: 400-800 rpm

OSTEOTOMES

CODE	DIAMETER mm	WORKING PART mm	TOTAL L. mm
STRAIGHT OSTEOTOMES			
P 723300	Ø 3.3	L 18.5	L 170
P 723700	Ø 3.75	L 18.5	L 170
P 724200	Ø 4.2	L 18.5	L 170
P 724500	Ø 4.5	L 18.5	L 170
P 725000	Ø 5	L 18.5	L 170
ANGLED OSTEOTOMES			
P 732000	Ø 2	L 18.5	L 170
P 733300	Ø 3.3	L 18.5	L 170
P 733700	Ø 3.75	L 18.5	L 170
P 734200	Ø 4.2	L 18.5	L 170
P 734500	Ø 4.5	L 18.5	L 170
P 735000	Ø 5	L 18.5	L 170

TECHNICAL FEATURES

- **Material** Steel AISI 630

TECHNICAL INFORMATION

- Tools to enable implant site preparation through dislocation and local condensation of bone tissue.
- They are used in sequence, increasing the diameter size progressively till the implant diameter to be fitted is reached. In addition to the markings corresponding to the lengths of the implants, there is a mark at 5 mm on the working part of each osteotome. These markings help to assess the working depth while using the tools.The concave area on the tip of the working part enables to collect a small quantity of bone tissue along the working path of the instrument. This bone tissue is thus condensed in the apical area of the implant site.
- The angled osteotomes are much easier to use in the posterior sector of alveolar arches. The universal angled osteotome (ø 2mm) enables the condensation of bone tissue and a homogeneous and progressive maxillary sinus augmentation from the start by reducing excessive expansive gap and by avoiding undesirable fractures.

BONE MILL WITH GUIDE SCREW

CODE	DIAMETER mm	LENGTH mm
P 599999	Ø 4.5	L.25.5

TECHNICAL FEATURES

- **Material** Steel AISI 630

TECHNICAL INFORMATION

- The sharp part is made to remove the bone around the implant (coronal part) to simplify the matching implant-abutment during the surgical phase. The guide screw, tightened to the implant connection, simplifies the
- Bone Mill placement.
- The Bone Mill is used for mechanical coupling with handpiece and when positioning implants at a great angulation.

MUCOTOMES

CODE	INT. DIAMETER mm	EXT. DIAMETER mm	COLOUR
VZ289MUC3543	Ø 3.5	Ø 4.3	none
VZ289MUC4654	Ø 4.6	Ø 5.4	none
VZ289MUC5159	Ø 5.1	Ø 5.9	none

TECHNICAL FEATURES

- **Material** Steel AISI 630

TECHNICAL INFORMATION

- Rotating scalpel blade for flapless technique to be used in the initial surgery phase.
- Used to cut the mucosa in case of submerged technique, in the second phase of the re-opening of the implant, without using the traditional scalpel blade.
- High quality of perfectly circular cut to simplify the insertion of the healing screw.

INTRA-OPERATIVE CHECKING INSTRUMENTS

PARALLELISM INDICATOR

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 500004	Ø 2.0	L 25	none

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Length of working part** 12 mm
- **Diameter of working part** 2 mm
- **Colour code** none

TECHNICAL INFORMATION

- This is used immediately after the pilot drill.
- It is possible to check the angle of inclination of the hole, by introducing the working part of this instrument into the hole as soon as it has been drilled.

TRIAL IMPLANT ABUTMENTS

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 693300	Ø 3.3	L 17	grey
P 693700	Ø 3.75	L 17	yellow
P 694200	Ø 4.2	L 17	blue
P 694500	Ø 4.5	L 17	red
P 695000	Ø 5	L 17	green

TECHNICAL FEATURES

- **Material** Grade 2 Titanium
- **Length** 17 mm
- **Length of working part** 7 mm
- **Length of protrouding part** 10 mm
- **Working part in the surgical stage** Ø 2
- **Reference marks on the working part for evaluation of the transmucosal portion**
- **Transmucosal** 1/3/5
- **Working portion prothesical phase suitable for implant insert.**

TECHNICAL INFORMATION

- Trial implant abutments are used **during surgery** after the parallelism indicator, introducing the working part into the hole drilled with the pilot drill.
- They are useful to check the available space in terms of the two horizontal dimensions in relation to the diameter of the planned implants.
- **In the prosthetic stage**, they are used when taking impressions by introducing the thin portion of the working part into the opening in the implant. Thanks to the reference marks on the instrument it is possible to evaluate the height of the mucous membrane in relation to the abutment. This step also enables angled abutments to be chosen if necessary.

DEPTH INDICATOR

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 500001	Ø 1.5 - working part	L 20	none

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Diameter of working part** 1.5 mm
- **Colour code** none
- **Laser marking** at 6.6/8.5/9.95/11/13/15 mm
- **The numerical values corresponding to the depth marks are indicated on the handle, in mm.**

TECHNICAL INFORMATION

- This is used during the operation to check the depth of the implant site.

TRIAL IMPLANT SCREWS

CODE	DIAMETER mm	LENGTH mm	COLOUR
P 603300	Ø 3.3	L 26	grey
P 603700	Ø 3.75	L 26	yellow
P 604200	Ø 4.2	L 26	blue
P 604500	Ø 4.5	L 26	red
P 605000	Ø 5	L 26	green

TECHNICAL FEATURES

- **Material** Grade 2 Titanium
- **Length** 26 mm
- **Diameter** 3.3 mm, colour code grey
- **Diameter** 3.75 mm, colour code yellow
- **Diameter** 4.2 mm, colour code blue
- **Diameter** 4.5 mm, colour code red
- **Diameter** 5 mm, colour code green
- **Laser marking** at 9.95/11/13/15 mm

TECHNICAL INFORMATION

- Trial implant screws are helpful during surgery for checking:
  The position of the implant in relation to the bone crest and to the axis of the implant.
- The correctness of the depth and of the bore of the implant site.
- The size of a socket after extraction in order to evaluate the possibility of immediate implanting with enough primary stability.

INSTRUMENTS FOR INTRODUCING IMPLANTS

ISO SCREWDRIVER FOR INTRODUCING IMPLANTS, THREE-LOBED CAM

CODE	DIAMETER mm	LENGTH mm
P 500013	Ø 3.3	L 24
P 500010	Ø 3.3	L 31

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Diameter** 3.3 mm
- **Three-lobed cam head so as to fit the rotation-prevention systems of the three-lobed cam Primer implant of diameter 3.3.**

TECHNICAL INFORMATION

- These are used fitted on a handpiece, for screwing the implants into place.
- Dotted markings serving as reference points for directing the cams of the implant when screwing. Useful when applying the prosthesis if we need to use an angled abutment.
- Recommended speed: 15 to 20 rpm
- No irrigation.
- Maximum torque: 40 to 45 Ncm.
- They can be used manually with the ratchet with small insert, item P900000.

ISO SCREWDRIVER FOR INTRODUCING IMPLANTS, FOUR-LOBED SMALL CAM

CODE	DIAMETER mm	LENGTH mm
P 500011	Ø 3.75/4.2/4.5	L 24
P 500008	Ø 3.75/4.2/4.5	L 31

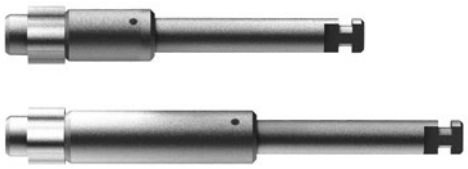
TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Small four-lobed cam head** so as to fit the rotation-prevention systems of the four-lobed cam Primer implants diameters 3.75/4.2/4.5

TECHNICAL INFORMATION

- These are used fitted on a hand piece, for screwing the implants into place.
- Dotted markings are reference points for directing the cams of the implant when screwing. Useful when applying the prosthesis, if we need to use an angled abutment.
- Recommended speed: 15 to 20 rpm
- No irrigation.
- Maximum torque: 40 to 45 Ncm
- They can be used manually the ratchet small insert, item P900000.

ISO SCREWDRIVER FOR INTRODUCING IMPLANTS, FOUR-LOBED LARGE CAM



CODE	DIAMETER mm	LENGTH mm
P 500012	Ø 5	L 24
P 500009	Ø 5	L 31

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Diameter** 5.0 mm
- **Large four-lobed cam** head so as to fit the rotation-prevention systems of the four-lobed cam Primer implant of diameter 5.

TECHNICAL INFORMATION

- These are used fitted on a handpiece, for screwing the implants into place.
- Dotted markings are reference points for directing the cams of the implant when screwing. Useful when applying the prosthesis if we need to use an angled abutment.
- Recommended speed: 15 to 20 rpm
- No irrigation.
- Maximum torque: 40 to 45 Ncm
- They can be used manually the ratchet small insert, item P900000.

MANUAL SCREWDRIVER, THREE-LOBED CAM

CODE	DIAMETER mm	LENGTH mm
P 600010	Ø 3.3	L 31.50
P 600013	Ø 3.3	L 27.50

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Diameter** 3.3mm
- **Three-lobed cam** head fits the rotation-prevention systems of the 3.3 cam Primer implants.

TECHNICAL INFORMATION

- Manual three-lobed cam screwdriver for large insert, item P800000.
- These are used fitted on the ratchet with large insert, for screwing the implants into place.
- Linear marking serving as reference points for directing the cams of the implant when screwing. Useful when applying the prosthesis if we need to use an angled abutment.

MANUAL SCREWDRIVER, FOUR-LOBED SMALL CAM

CODE	DIAMETER mm	LENGTH mm
P 600008	Ø 3.75/4.2/4.5	L 32
P 600011	Ø 3.75/4.2/4.5	L 28
P 600009	Ø 5	L 32
P 600012	Ø 5	L 28

P 600008 P 600011 P 600009 P 600012

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Diameter** 3.75/4.2/4.5 mm
- **Small four-lobed cam** head fits the rotation-prevention systems of the 3.75/4.2/4.5 Primer SR implants

TECHNICAL INFORMATION

- Manual small four-lobed cam screwdriver for large insert, item P800000.
- These are used fitted on the ratchet with large insert, for screwing the implants into place.
- Dot markings serving as reference points for directing the cams of the implant while screwing. Useful when applying the prosthesis, if we need to use an angled abutment.

MANUAL SCREWDRIVER EXTENSION

CODE
P 650000

TECHNICAL FEATURES

- **Handle Length** 86,50 mm - **Material** Steel AISI 303
- **Tip Length** 16 mm - **Material** Steel AISI 420
- **Internal ring** Steel AISI 410.
- **Total Length of the Extention** 145mm.

TECHNICAL INFORMATION

- It is an accessory for manual screwdrivers: a metal extension which must be used in coupling to the following manuals screwdrivers: P600010/P600013 for screwing the diam. 3.3mm implants into place; P600008/P600011 for screwing the diam. 3.75/4.2/4.5mm implants into place; P600009/P600012 for screwing the diam. 5 implants into place; P600006/P600007 for screwing and unscrewing all screws: implant cap screws / healing screws / transfer for screwed-in prosthesis /healing screws for screwed-in prosthesis and all assembling screws
- Without the manual screwdriver, it does not comply with its intended use. And it is constituted by a metal handle with hexagonal head for receiving the head of the screwdriver, inside which there is a elastic ring that holds the hex head of the manual screwdriver.

LARGE INSERT FOR RATCHET

CODE

P 800000

TECHNICAL FEATURES

- **Material** Steel 1.4543

TECHNICAL INFORMATION

- Large insert for ratchet.
- To be used with manual screwdrivers:
  - the three-lobed cam, item P600010 and item P600013;
  - the small four-lobed cam, item P600008 and item P600011;
  - the large four-lobed cam, item P600009 and item P600012.
- To be used also with manual hexagonal screwdrivers: item P600006 and item P600007.

SMALL ISO INSERT FOR RATCHET

CODE

P 900000

TECHNICAL FEATURES

- **Material** Steel 1.4543

TECHNICAL INFORMATION

- The ISO insert for ratchet.
- To be used with ISO screwdrivers:
  - the three-lobed cam, item P500010 and item P500013;
  - the small four-lobed cam, item P500008 and item P500011;
  - the large four-lobed cam, item P500009 and item P500012.
- To be used also with ISO hexagonal screwdrivers: item P500006 and item P500007.

RATCHET

CODE

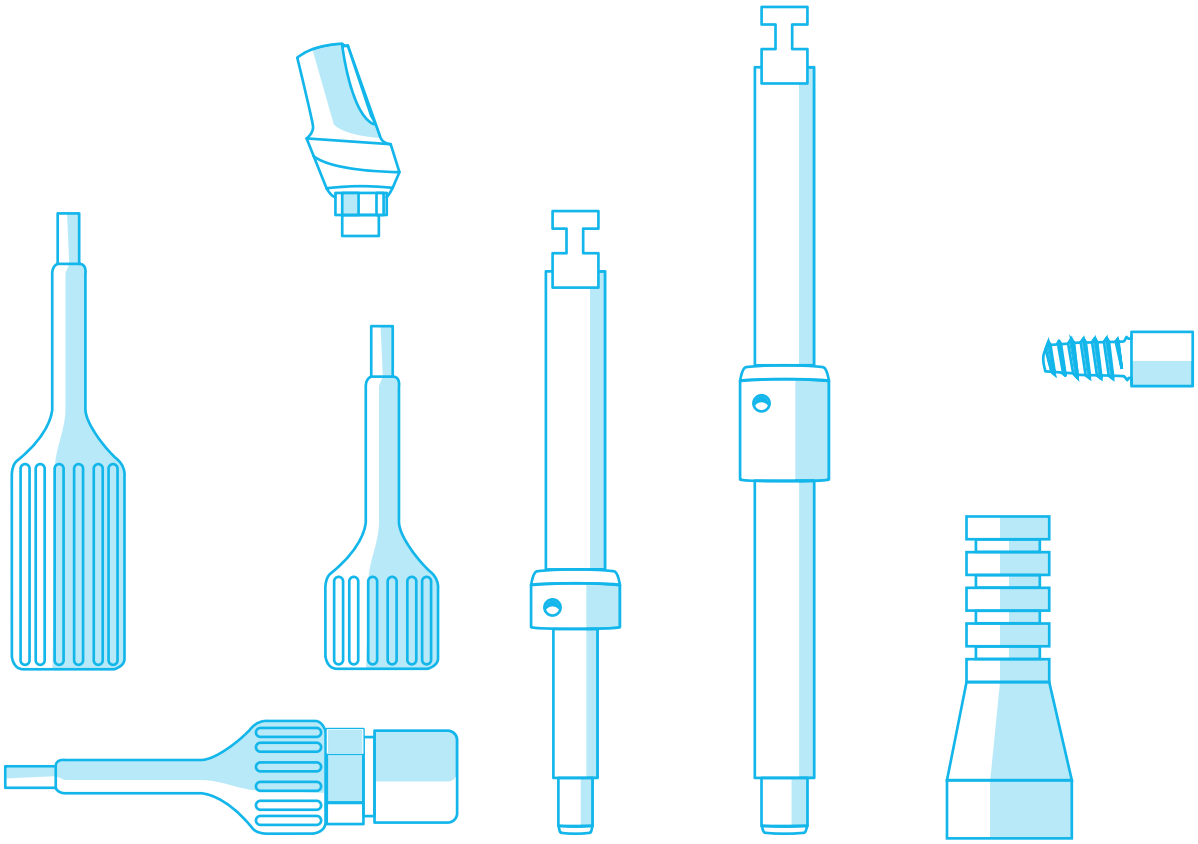
P 500002

TECHNICAL FEATURES

- **Material** Steel 1.4543
- **Torque adjustable** from 10Ncm to 30Ncm by screwing or unscrewing the endpiece of the handle which has a locking mechanism excluding the torque-measuring system.

TECHNICAL INFORMATION

- 10Ncm for tightening implant cap screws, healing screws.
- 20Ncm for tightening assembling screws.
- 30Ncm for screwing fixtures (evaluation of torque-measuring for immediate loading).
- This can be used with the torque-measuring system excluded and therefore without controlling the torque.
- This can be used either with large insert, item P800000, or small ISO insert, item P900000



PROSTHETISATION

Construction of superstructures

SHORT AND LONG HEXAGONAL SCREWDRIVER, MANUAL

CODE	LENGTH mm
P 600006	L 31
P 600007	L 26

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Hexagonal head**

TECHNICAL INFORMATION

- Manual hexagonal screwdrivers.
- To be used manually.
- To be used with ratchet and large insert, item P800000.
- To be used for screwing and unscrewing all screws: implant cap screws / healing screws /transfer for screwed-in prosthesis /healing screws for screwed-in prosthesis and all assembling screws.

EXTRA SHORT HEXAGONAL SCREWDRIVER, MANUAL

CODE	DIAMETER mm	LENGTH mm
P 600001	Ø 4.5	L 14.9

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Hexagonal head**

TECHNICAL INFORMATION

The extra short hexagonal screwdriver for implant cap screws and abutment connection for torque, is used for all the manual interventions in mouths with reduced accessibility.

ISO HEXAGONAL SCREWDRIVER FOR HANDPIECE

CODE	LENGTH mm
P 500007	L 24
P 500006	L 31

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **Length** 24 mm; 31 mm
- **Hexagonal head**

TECHNICAL INFORMATION

- These are used fitted on a handpiece for screwing and unscrewing all screws: implant cap screws / healing screws and all assembling screws.
- They can also be used with a ratchet with small insert, item P900000.

SCREWS FOR ABUTMENTS, OPEN AND CLOSED-SPOON TRANSFER COPINGS

CODE	DIAMETER mm
CONNECTING SCREWS FOR OPEN SPOON TRANSFER COPINGS	
P 313300	Ø 3.3
P 327700	Ø 3.75/4.2/4.5/5

CONNECTING SCREWS FOR STRAIGHT, ANGLED, MILLABLE, TEMPORARY, UCLA, CALCINABLE ABUTMENTS AND FOR ANGLED ABUTMENTS FOR SCREWED-IN PROSTHESIS	
P 333300	Ø 3.3
P 347700	Ø 3.75/4.2/4.5/5

LONG CONNECTION SCREW FOR SCREWED-IN PROSTHESIS FOR OPEN SPOON TRANSFER COPINGS	
P 910000	Ø 3.75/4.2/4.5

SECONDARY CONNECTION SCREWS FOR SCREWED-IN PROSTHESIS	
P 970000	Ø 3.3/3.75/4.2/4.5

TECHNICAL FEATURES

- **Material** Grade 5 Ti
- **Hexagonal socket on the head**

TECHNICAL INFORMATION

- All these screws are used with ISO and manual hexagonal screwdrivers.

ANATOMICAL HEALING SCREWS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 353301	Ø 3.3	1	grey
P 353303	Ø 3.3	3	grey
P 353305	Ø 3.3	5	grey
P 353701	Ø 3.75	1	yellow
P 353703	Ø 3.75	3	yellow
P 353705	Ø 3.75	5	yellow
P 354201	Ø 4.2	1	blue
P 354203	Ø 4.2	3	blue
P 354205	Ø 4.2	5	blue
P 354501	Ø 4.5	1	red
P 354503	Ø 4.5	3	red
P 354505	Ø 4.5	5	red
P 355001	Ø 5	1	green
P 355003	Ø 5	3	green
P 355005	Ø 5	5	green

TECHNICAL FEATURES

- **Material** Grade 2 Titanium
- **Diameter:** 3.3 mm, colour code grey
- **Diameter:** 3.75 mm, colour code yellow
- **Diameter:** 4.2 mm, colour code blue
- **Diameter:** 4.5 mm, colour code red
- **Diameter:** 5 mm, colour code green
- **Hexagonal socket on the head**
- **Flared shape to guide healing of the gum**
- **They follow the colour coding**

TECHNICAL INFORMATION

- These are used at the time of uncovering the implant.
- They are available in various different heights for each diameter, so as to adapt correctly to the thickness of the gingival mucosa.
- They are screwed in with the hexagonal screwdrivers

CLOSED-SPOON TRANSFER COPING WITH POLYOXYMETHYLENE (POM) CAP

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 803303	Ø 3.3	3	grey
P 803305	Ø 3.3	5	grey
P 803703	Ø 3.75	3	yellow
P 803705	Ø 3.75	5	yellow
P 804203	Ø 4.2	3	blue
P 804205	Ø 4.2	5	blue
P 804503	Ø 4.5	3	red
P 804505	Ø 4.5	5	red
P 805003	Ø 5	3	green
P 805005	Ø 5	5	green
POM cap for close spoon transfer copings			
P 803300	Ø 3.3	-	white
P 803750	Ø 3.75/4.2/4.5/5.0	-	white

TECHNICAL FEATURES

- **Material** Grade 2 Titanium
- **Diameter:** 3.3 mm, colour code grey
- **Diameter:** 3.75 mm, colour code yellow
- **Diameter:** 4.2 mm, colour code blue
- **Diameter:** 4.5 mm, colour code red
- **Diameter:** 5 mm, colour code green
- **They follow the colour coding.**
- **The pack contains the appropriate assembling screw and its POM cap.**

TECHNICAL INFORMATION

- These are used for taking impressions using the closed-spoon technique.
- The pack contains a POM cap according to the head of the transfer so as to facilitate correct repositioning in the impression.
- Same cap for ø3.75/4.2/4.5/5 mm
- Only cap for ø 3.3 varies.

OPEN-SPOON IMPRESSION TRANSFER COPINGS

CODE	DIAMETER mm	COLOUR
P 143300	Ø 3.3	grey
P 143700	Ø 3.75	yellow
P 144200	Ø 4.2	blue
P 144500	Ø 4.5	red
P 145000	Ø 5	green

TECHNICAL FEATURES

- **Materiale** Ti Grade 2 Titanium
- **Diameter:** 3.3 mm, colour code grey
- **Diameter:** 3.75 mm, colour code yellow
- **Diameter:** 4.2 mm, colour code blue
- **Diameter:** 4.5 mm, colour code red
- **Diameter:** 5 mm, colour code green
- **They follow the colour coding.**
- **The pack contains the appropriate assembling screw.**
- **Highly retentive shape.**

TECHNICAL INFORMATION

- These are used for taking impressions using the open-spoon impression technique.
- They are used with the long assembling screws, item P 313300 for diameter 3.3 or item P 327700 for all other diameters.

STAINLESS STEEL LABORATORY ANALOGUE

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 173300	Ø 3.3	laser marking	none
P 173700	Ø 3.75	laser marking	none
P 174200	Ø 4.2	laser marking	none
P 174500	Ø 4.5	laser marking	none
P 175000	Ø 5	laser marking	none

TECHNICAL FEATURES

- **Material**: Steel 1.4305
- **Diameter:** 3.3/3.75/4.2/4.5/5
- Universal height
- They do not follow the colour coding
- Diameter indicated by laser markings
- Retentive shape for ensuring stable seating in the plaster

TECHNICAL INFORMATION

- These are used connected to the corresponding transfer copings for
- casting the models.
  They are used with all types of transfer copings for impressions (open-spoon or closed-spoon)
- Do not use with transfer copings for Screwed-in prothesis.

TEMPORARY ABUTMENTS FOR IMPLANTS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 363300	Ø 3.3	unique	none
P 363700	Ø 3.75	unique	none
P 364200	Ø 4.2	unique	none
P 364500	Ø 4.5	unique	none
P 365000	Ø 5	unique	none

TECHNICAL FEATURES

- **Material** Titanium, Grade 2
- **Diameter:** 3.3 /4.2/4,5/5
- **They are available in a single transmucosal height.**
- They are used with the assembling screws for permanent abutments, item P 333300 for diameter 3.3 mm, item P 347700 for all other diameters.
- The pack contains the appropriate assembling screw.

TECHNICAL INFORMATION

- These can only be used for preparing temporary prosthesis

PRIMER STRAIGHT ABUTMENTS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 193301	Ø 3.3	1	grey
P 193303	Ø 3.3	3	grey
P 193305	Ø 3.3	5	grey
P 193701	Ø 3.75	1	yellow
P 193703	Ø 3.75	3	yellow
P 193705	Ø 3.75	5	yellow
P 194201	Ø 4.2	1	blue
P 194203	Ø 4.2	3	blue
P 194205	Ø 4.2	5	blue
P 194501	Ø 4.5	1	red
P 194503	Ø 4.5	3	red
P 194505	Ø 4.5	5	red
P 195003	Ø 5	3	green
P 195005	Ø 5	5	green

TECHNICAL FEATURES

- **Material** Grade 5 Titanium
- **Diameter:** 3.3 mm, colour code grey
- **Diameter:** 3.75 mm, colour code yellow
- **Diameter:** 4.2 mm, colour code blue
- **Diameter**: 4.5 mm, colour code red
- **Diameter**: 5 mm, colour code green
- **The pack contains the appropriate assembling screw.**
- **They follow the colour coding**
- **With pre-shaped shoulder**

TECHNICAL INFORMATION

- It is possible to choose the appropriate transmucosal height depending on the height of the shoulder.
- The thickness of the Ti enables to modify (drilling) the height and shape of the shoulder, if required for aesthetic reasons.
- The angle of inclination and the shape of the protruding part can be altered by drilling in a suitable manner to correct minor defects of parallelisms
- The inclined shape of the shoulder improves the rising profile of the crown reducing the entity of the drilling.

15° ANGLED ABUTMENTS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 203301	Ø 3.3	1	grey
P 203303	Ø 3.3	3	grey
P 203305	Ø 3.3	5	grey
P 203701	Ø 3.75	1	yellow
P 203703	Ø 3.75	3	yellow
P 203705	Ø 3.75	5	yellow
P 204201	Ø 4.2	1	blue
P 204203	Ø 4.2	3	blue
P 204205	Ø 4.2	5	blue
P 204501	Ø 4.5	1	red
P 204503	Ø 4.5	3	red
P 204505	Ø 4.5	5	red
P 205001	Ø 5	1	green
P 205003	Ø 5	3	green
P 205005	Ø 5	5	green

TECHNICAL FEATURES

Items P203301/P205005: The inclined part of the abutment is placed in correspondence of the one flat side of the connection

15° ANGLED ABUTMENTS VARIATION

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 403301	Ø 3.3	1	grey
P 403303	Ø 3.3	3	grey
P 403305	Ø 3.3	5	grey
P 403701	Ø 3.75	1	yellow
P 403703	Ø 3.75	3	yellow
P 403705	Ø 3.75	5	yellow
P 404201	Ø 4.2	1	blue
P 404203	Ø 4.2	3	blue
P 404205	Ø 4.2	5	blue
P 404501	Ø 4.5	1	red
P 404503	Ø 4.5	3	red
P 404505	Ø 4.5	5	red
P 405001	Ø 5	1	green
P 405003	Ø 5	3	green
P 405005	Ø 5	5	green

TECHNICAL FEATURES

Items P403301/P405005 - Variant: The inclined part of the abutment is placed in correspondence of one lobe of the connection.

- **Material** Grade 5 Titanium
- **Diameter:** 3.3 mm colour code grey
- **Diameter:** 3.75 mm colour code yellow
- **Diameter:** 4.2 mm colour code blue
- **Diameter:** 4.5 mm colour code red
- **Diameter:** 5 mm colour code green
- **The pack contains the appropriate assembling screw.**
- **It follows the colour coding**
- **With pre-shaped shoulder**
- **Angle of inclination: 15°**

TECHNICAL INFORMATION

- Abutments for 15° angled implants
- It is possible to choose the appropriate transmucosal height depending on the height of the shoulder.
- The thickness of the Ti enables to modify (drilling) the height and shape of the shoulder, if required for aesthetic reasons.
- The inclined shape of the shoulder improves the rising profile of the crown reducing the entity of the drilling.
- It is possible to alter the tilt and the shape of the protruding part by drilling, in order to increase the angle of inclination;
- Items P203301/P205005: The inclined part of the abutment is placed in correspondence of the one flat side of the connection;
- Items P403301/P405005 - Variant: The inclined part of the abutment is placed in correspondence of one lobe of the connection.

25° ANGLED ABUTMENTS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P473301	Ø 3.3	1	grey
P473303	Ø 3.3	3	grey
P473701	Ø 3.75	1	yellow
P473703	Ø 3.75	3	yellow
P474201	Ø 4.2	1	blue
P474203	Ø 4.2	3	blue

TECHNICAL FEATURES

- **Material** Grade 5 Titanium
- **Diameter:** 3.3 mm colour code grey
- **Diameter:** 3.75 mm colour code yellow
- **Diameter:** 4.2 mm colour code blue
- **The pack contains the appropriate connection screw.**
- **It follows the colour coding**
- **With pre-shaped shoulder**
- **Angle of inclination: 25°**

TECHNICAL INFORMATION

- It is possible to choose the appropriate transmucosal height depending on the height of the shoulder.
- The thickness of the Ti enables to modify (drilling) the height and shape of the shoulder, if required for aesthetic reasons.
- The inclined shape of the shoulder improves the rising profile of the crown reducing the entity of the drilling.
- It is possible to alter the tilt and the shape of the protruding part by drilling as appropriate in order to increase the angle of inclination.

MILLABLE ABUTMENT (AVAILABLE WHILE STOCKS LAST)

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 213308	Ø 3.3	8	grey
P 213311	Ø 3.3	11	grey
P 213708	Ø 3.75	8	yellow
P 213711	Ø 3.75	11	yellow
P 214208	Ø 4.2	8	blue
P 214211	Ø 4.2	11	blue
P 214508	Ø 4.5	8	red
P 214511	Ø 4.5	11	red
P 215008	Ø 5	8	green
P 215011	Ø 5	11	green

TECHNICAL FEATURES

- **Material** Grade 5 Titanium for diameters 3.3, 3.75, 4.2 and 4.5 and Grade 2 for diam. 5.0.
- **Diameter:** 3.3 mm, colour code grey
- **Diameter:** 3.75 mm, colour code yellow
- **Diameter:** 4.2 mm, colour code blue
- **Diameter:** 4.5 mm, colour code red
- **Diameter:** 5 mm, colour code green
- Overturned truncated cone-shaped with angle of inclination of the walls of 15°.
- The pack contains the appropriate screw.
- They follow the colour coding.

TECHNICAL INFORMATION

- These are an alternative to the Primer Pre-shaped straight and angled abutments.
- To be modelled by milling by the technician.

CALCINABLE ABUTMENTS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 233300	Ø 3.3	1	none
P 233700	Ø 3.75	1	none
P 234200	Ø 4.2	1	none
P 234500	Ø 4.5	1	none
P 235000	Ø 5	1	none

TECHNICAL FEATURES

- **Material** Plexiglass
- **Diameter** 3.3/3.75/4.2/4.5/5 mm
- **Universal transmucosal height**

TECHNICAL INFORMATION

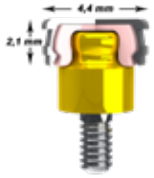
- These can be used as an alternative to Ti abutments (following thorough clinical assessment).

FIXED SPHERICAL ATTACHMENTS

OT-EQUATOR

ITEM	TRANSMUCOSAL HEIGHT mm
REF. 130EDR3305	0.5
REF. 130EDR331	1
REF. 130EDR332	2
REF. 130EDR333	3
REF. 130EDR334	4
REF. 130EDR335	5
REF. 130EDR336	6
REF. 130EDR337	7
REF. 130EDR37505	0.5
REF. 130EDR3751	1
REF. 130EDR3752	2
REF. 130EDR3753	3
REF. 130EDR3754	4
REF. 130EDR3755	5
REF. 130EDR3756	6
REF. 130EDR3757	7
REF. 130EDR4205	0.5
REF. 130EDR421	1
REF. 130EDR422	2
REF. 130EDR423	3
REF. 130EDR424	4
REF. 130EDR425	5
REF. 130EDR426	6
REF. 130EDR427	7
REF. 130EDR4505	0.5
REF. 130EDR451	1
REF. 130EDR452	2
REF. 130EDR453	3
REF. 130EDR454	4
REF 130EDR455	5
REF. 130EDR456	6
REF. 130EDR457	7
REF. 130EDR505	0.5
REF. 130EDR51	1
REF. 130EDR52	2
REF. 130EDR53	3
REF. 130EDR54	4
REF. 130EDR55	5
REF. 130EDR56	6
REF. 130EDR57	7

TECHNICAL INFORMATION



- With a low vertical profile of 2.1 mm and diameter of 4.4 mm the OT- Equator is the smallest attachment system on the market.
- This system offers multiple solutions for overdenture treatment planning when vertical space is limited.
- THE KIT CONTAINS:
  - 1 TITANIUM ABUTMENT
  - 1 TITANIUM HOUSING
  - 1 PROTECTIVE DISK
  - 4 RETENTIVE CAPS (1 extra -soft, 1 soft, 1 standard, 1 strong)
- Available with transmucosal height from 05 to 7mm

RETENTIVE CAPS REPLACEMENTS

CODE	UNITS
REF. 192ECE	4 assorted caps

TECHNICAL INFORMATION

- The Kit contains: 1 Inox housing for caps, 1 laboratory black cap , 4 retentive caps (1 extra-soft, 1 soft,1 standard,1 strong)

CODE	UNITS	COLOUR	RETENTION
REF. 140CEV	4 caps	violet	strong 2.7 kg
REF. 140CET	4 caps	white	standard 1.8 kg
REF. 140CER	4 caps	pink	soft 1.2 kg
REF. 140CEG	4 caps	yellow	extra soft 0.6 kg

TECHNICAL INFORMATION

- The pack contains 4 retentive caps

HOUSING REPLACEMENT

CODE	CONTENT
REF. 141CAE	2 Inox housings OT-EQUATOR

SQUARE SCREW DRIVER

CODE	CONTENT
REF. 774CHE	Square screw driver with holder to screw the OT-EQUATOR (square 1.25mm)

TECHNICAL INFORMATION

- **Check the Rhein 83 catalogue for codes of different replacements**

OT-EQUATOR FOR IMPLANTS

CODE	CONTENT
REF. 030	Abutment in Ti "OT-EQUATOR. It is possible to order the abutment OT-EQUATOR in the desired transmucosal heights

SMARTBOX KIT

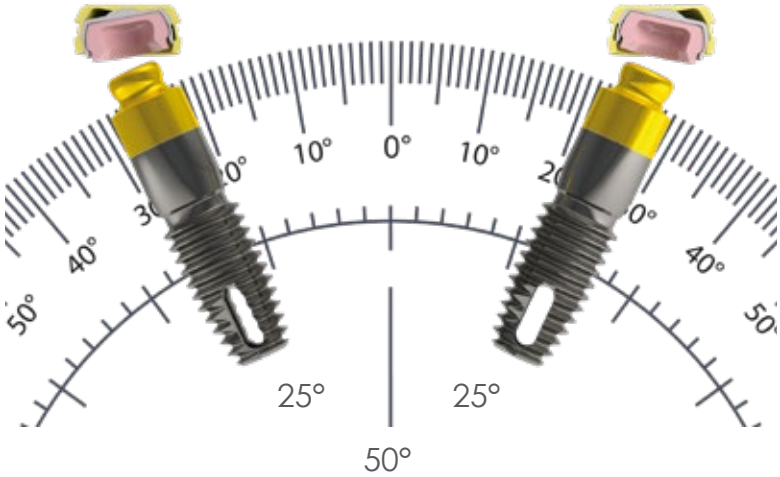
CODE	CONTENT
REF. 335SBC	1 Smartbox kit, with laboratory black cap, 1 pink protective disk, 4 retentive caps (1 extra-soft yellow,1 soft pink,1 standard, 1 strong violet)

SMARTBOX HOUSING WITH BLACK CAP

CODE	CONTENT
REF. 330SBE	1 smartbox housing with black cap

TECHNICAL INFORMATION

- the caps correct from 25° to 50° disparallelisms



SPHERO BLOCK NORMO

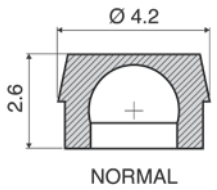
ITEM	TRANSMUCOSAL HEIGHT mm
REF. 002EDR3305R	0.5
REF. 002EDR331R	1
REF. 002EDR332R	2
REF. 002EDR333R	3
REF. 002EDR334R	4
REF. 002EDR335R	5
REF. 002EDR336R	6
REF. 002EDR337R	7
REF. 002EDR37505R	0.5
REF. 002EDR3751R	1
REF. 002EDR3752R	2
REF. 002EDR3753R	3
REF. 002EDR3754R	4
REF. 002EDR3755R	5
REF. 002EDR3756R	6
REF. 002EDR3757R	7
REF. 002EDR4205R	0.5
REF. 002EDR421R	1
REF. 002EDR422R	2
REF. 002EDR423R	3
REF. 002EDR424R	4
REF. 002EDR425R	5
REF. 002EDR426R	6
REF. 002EDR427R	7
REF. 002EDR4505R	0.5
REF. 002EDR451R	1
REF. 002EDR452R	2
REF. 002EDR453R	3
REF. 002EDR454R	4
REF. 002EDR455R	5
REF. 002EDR456R	6
REF. 002EDR457R	7
REF. 002EDR505R	0.5
REF. 002EDR51R	1
REF. 002EDR52R	2
REF. 002EDR53R	3
REF. 002EDR54R	4
REF. 002EDR55R	5
REF. 002EDR56R	6
REF. 002EDR57R	7

SPHERO BLOCK MICRO

ITEM	TRANSMUCOSAL HEIGHT mm
REF. 003EDR3305R	0.5
REF. 003EDR331R	1
REF. 003EDR332R	2
REF. 003EDR333R	3
REF. 003EDR334R	4
REF. 003EDR335R	5
REF. 003EDR336R	6
REF. 003EDR337R	7
REF. 003EDR37505R	0.5
REF. 003EDR3751R	1
REF. 003EDR3752R	2
REF. 003EDR3753R	3
REF. 003EDR3754R	4
REF. 003EDR3755R	5
REF. 003EDR3756R	6
REF. 003EDR3757R	7
REF. 003EDR4205R	0.5
REF. 003EDR421R	1
REF. 003EDR422R	2
REF. 003EDR423R	3
REF. 003EDR424R	4
REF. 003EDR425R	5
REF. 003EDR426R	6
REF. 003EDR427R	7
REF. 003EDR4505R	0.5
REF. 003EDR451R	1
REF. 003EDR452R	2
REF. 003EDR453R	3
REF. 003EDR454R	4
REF. 003EDR455R	5
REF. 003EDR456R	6
REF. 003EDR457R	7
REF. 003EDR505R	0.5
REF. 003EDR51R	1
REF. 003EDR52R	2
REF. 003EDR53R	3
REF. 003EDR54R	4
REF. 003EDR55R	5
REF. 003EDR56R	6
REF. 003EDR57R	7

TECHNICAL FEATURES

- The Sphero Block implant abutment for overdenture attachments is compatible with any implant system currently on the market.
- Sphero Block is a stationary ball implant attachment that comes in 2.5 mm (NORMO) and 1.8 mm (MICRO) diameters.
- It has been designed to correct angulation issues up to 28° between 2 implant abutments (14° for each implant).
- This attachment is titanium nitrate coated and has a Vickers surface hardness of 1600.
- The female component of the attachment is a nylon cap that comes in a variety of colors and snaps over the ball to help prevent wear and increase retention.
- Available with transmucosal height from 05 to 7 mm.



TECHNICAL INFORMATION

- The Kit contains : 1 Ti abutment (ball ø 2.5 mm for NORMO and ball ball ø 1.8 mm for MICRO), 2 pink caps (soft retention), 1Stainless Steel housing, 1 protective disk, 3 directional rings.

NORMO CAPS REPLACEMENTS

CODE	UNITS	COLOUR	RETENTION
REF. 049PCN	6 caps	green	very elastic 350 gr
REF. 060CRN AY	6 caps	yellow	extra soft 500 gr
REF. 040CRN SN	6 caps	pink	soft 900 gr
REF. 040CRN	6 caps	white	standard 1.300 gr

NORMO HOUSING REPLACEMENT

CODE	CONTENT
REF. 041CAN	2 inox normo housings

TECHNICAL INFORMATION

- **Check the Rhein 83 catalogue for different replacements**

MICRO CAPS REPLACEMENTS

CODE	UNITS	COLOUR	RETENTION
REF. 049PCM	6 caps	green	very elastic 200 gr
REF. 060CRM AY	6 caps	yellow	extra soft 500 gr
REF. 040CRM SN	6 caps	pink	soft 900 gr
REF. 040CRM	6 caps	white	standard 1.300 gr

MICRO HOUSING REPLACEMENT

CODE	CONTENT
REF. 041CAM	2 inox micro housings

TECHNICAL INFORMATION

- **Check the Rhein 83 catalogue for different replacements**

SPHERO FLEX

ITEM	TRANSMUCOSAL HEIGHT mm
REF. 109EDR3305R	0.5
REF. 109EDR331R	1
REF. 109EDR332R	2
REF. 109EDR333R	3
REF. 109EDR334R	4
REF. 109EDR335R	5
REF. 109EDR336R	6
REF. 109EDR337R	7
REF. 109EDR37505R	0.5
REF. 109EDR3751R	1
REF. 109EDR3752R	2
REF. 109EDR3753R	3
REF. 109EDR3754R	4
REF. 109EDR3755R	5
REF. 109EDR3756R	6
REF. 109EDR3757R	7
REF. 109EDR4205R	0.5
REF. 109EDR421R	1
REF. 109EDR422R	2
REF. 109EDR423R	3
REF. 109EDR424R	4
REF. 109EDR425R	5
REF. 109EDR426R	6
REF. 109EDR427R	7
REF. 109EDR4505R	0.5
REF. 109EDR451R	1
REF. 109EDR452R	2
REF. 109EDR453R	3
REF. 109EDR454R	4
REF. 109EDR455R	5
REF. 109EDR456R	6
REF. 109EDR457R	7
REF. 109EDR505R	0.5
REF. 109EDR51R	1
REF. 109EDR52R	2
REF. 109EDR53R	3
REF. 109EDR54R	4
REF. 109EDR55R	5
REF. 109EDR56R	6
REF. 109EDR57R	7

TECHNICAL FEATURES

- The Sphero Flex implant abutments for overdenture attachments are compatible with any implant system currently on the market.
- The Sphero Flex swivel ball comes with a diameter of 2.5 mm and is flexible to 7.5° in any direction.
- Sphero Flex has been designed to correct angulation problems up to 43° between two implant abutments.
- This attachment is titanium nitrate coated and has a Vickers surface hardness of 1600.
- The female component of the attachment is a nylon cap that comes in a variety of colors and snaps over the ball to help prevent wear and increase retention.
- Available with transmucosal height from 05 to 7 mm.

TECHNICAL INFORMATION

- The kit contains: 1 Titanium Abutment with swivel sphere – 2.5 mm, 2 Pink Caps – Soft Retention, 1 Stainless Steel Housing for resin, 1 Protective Disk 3 Directional Rings

SPHERO FLEX CAP REPLACEMENTS

CODE	UNITS	COLOUR	RETENTION
REF. 049PCN	6 caps	green	very elastic 350 gr
REF. 060CRN AY	6 caps	yellow	extra soft 500 gr
REF. 040CRN SN	6 caps	pink	soft 900 gr
REF. 040CRN	6 caps	white	standard 1.300 gr

SPHERO FLEX HOUSING REPLACEMENT

CODE	CONTENT
REF. 041CAN	2 normo inox housings

TECHNICAL INFORMATION

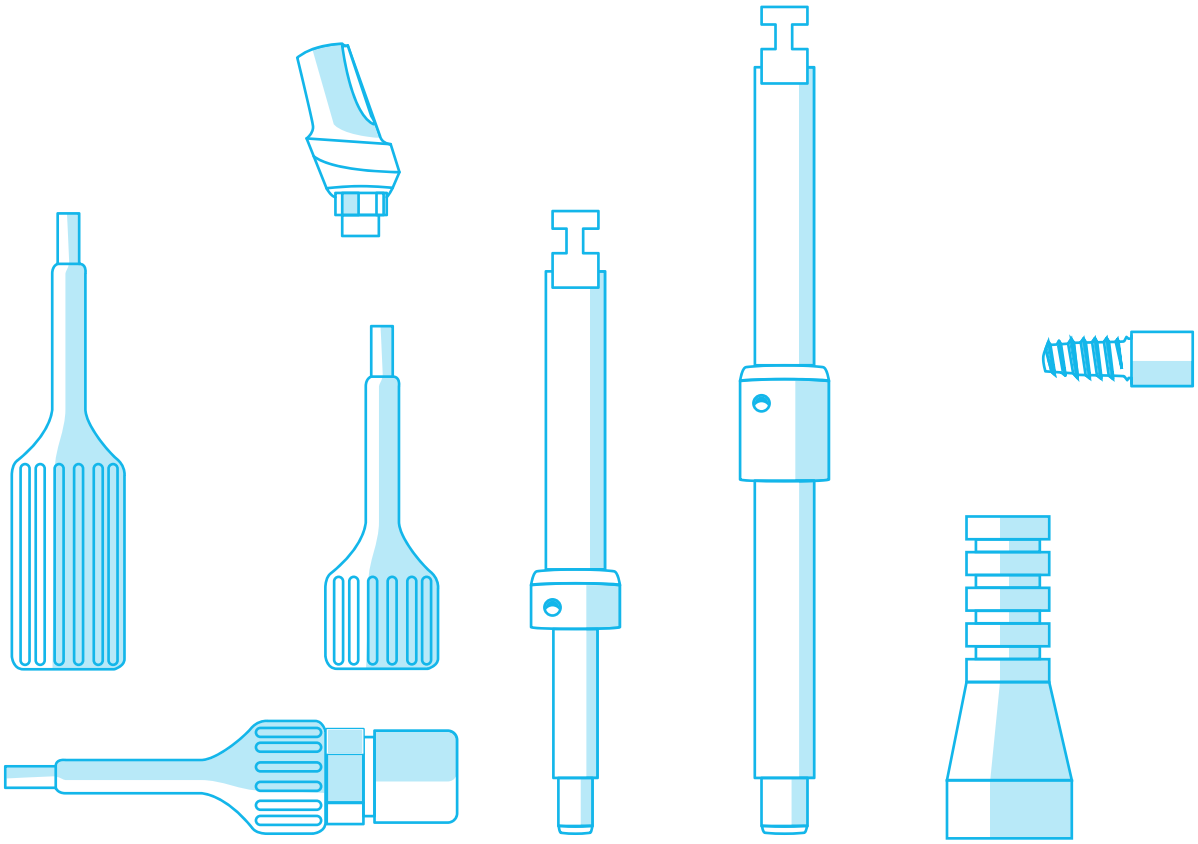
- **Check the Rhein 83 catalogue for different replacements**

UNIVERSAL KEY FOR SPHERO FLEX AND SPHERO BLOCK

CODE	CONTENT
REF. 771CEF	Hexagon 2,3 mm - Normo and Micro

TECHNICAL INFORMATION

- **Check the Rhein 83 catalogue for different replacements**



CONSTRUCTION OF SUPERSTRUCTURES

Screwed-in prosthesis and Digital Technique

STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 903302	Ø 3.3	2	grey
P 903304	Ø 3.3	4	grey
P 903702	Ø 3.75	2	yellow
P 903704	Ø 3.75	4	yellow
P 904202	Ø 4.2	2	blue
P 904204	Ø 4.2	4	blue
P 904502	Ø 4.5	2	red
P 904504	Ø 4.5	4	red
CONNECTION SCREW			
P 913302	Ø 3.3	2	none
P 913304	Ø 3.3	4	none
P 910002	Ø 3.75/4.2/4.5	2	none
P 910004	Ø 3.75/4.2/4.5	4	none

TECHNICAL FEATURES

- **Material of straight abutment for screwed-in prosthesis** Grade 5 Titanium Ti6Al4V
- **Material of connection screw for straight abutment for screwed-in prosthesis** Grade 5 Titanium Ti6Al4V

TECHNICAL INFORMATION

- Cam connection.
- Transmucosal portion: coronal flaring for an optimal mucosal fitting at the top, and to give a good support base for the superstructure
- Engagement portion with the superstructure: conical insert portion with sides inclination 30° to adjust equal lack of parallelisms between the implants
- Two heights only for the transmucosal: Trans 2 /Trans 4
- Diameters available: 3.3/3.75/4.2/4.5 mm
- The package contains the special connection screw
- Connection screw for abutment for screwed-in prosthesis
- Flat-head screwdriver, item P980000.
- Thread inside the head enables to screw the secondary connection screw, item P970000 (to fit the superstructure)
- The truncated-cone shape of the head to minimize risks of unscrewing.

FLAT-HEAD SCREWDRIVER FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	LENGTH mm
P 980000	28

TECHNICAL FEATURES

- **Material** Steel 1.4197
- **To be used with the Ratchet**
- **Length** 28 mm

TECHNICAL INFORMATION

- To be used for the connection screw of the straight abutment for screwed-in prosthesis ONLY

CALCINABLE CAPS FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 963300	Ø 3.3	none
P 960000	Ø 3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material of the calcinable cap** Plexiglass
- **Material of the secondary connection screw** Grade 5 titanium - Ti6Al4V

TECHNICAL INFORMATION

- Fully calcinable, to be used with the straight abutment for screwed-in prosthesis
- The pack contains no. 2 calcinable caps and no. 2 secondary connection screws, item P970000, that screw into the connection screw of the straight abutment for screwed-in prosthesis
- To be used for straight abutments for screwed-in prosthesis ONLY: diameters 3.3 / 3.75 / 4.2 / 4.5.

SECONDARY CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 970000	Ø 3.3/3.75/4.2/4.5	none

TECHNICAL INFORMATION

- to be used for connecting the cap to the connection screw of the straight abutment for screwed-in prosthesis
- the pack contains one secondary connection screw

TI CAPS FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 953300	Ø 3.3	none
P 950000	Ø 3.75/4.2/4.5	none

TECHNICAL INFORMATION

- Fully Ti, has to be used with the straight abutment for screwed-in prosthesis
- The pack contains no. 2 Titanium caps and no. 2 secondary connection screws, item P970000, that screw into the connection screw of the straight abutment for screwed-in prosthesis.
- To be used for straight abutments for screwed-in prosthesis ONLY : diameters 3.3 / 3.75 / 4.2 / 4.5mm.

TECHNICAL FEATURES

- **Material of the Titanium cap** Grade 2 Titanium
- **Material of the secondary connection screw** Grade 5 titanium - Ti6Al4V

SECONDARY CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 970000	Ø 3.3/3.75/4.2/4.5	none

TECHNICAL INFORMATION

- to be used for connecting the cap to the connection screw of the straight abutment for screwed-in prosthesis
- the pack contains one secondary connection screw

LONG CONNECTION SCREW FOR SCREWED-IN PROSTHESIS FOR OPEN-SPOON TRANSFER-COPINGS

CODE	DIAMETER mm	COLOUR
P 910000	Ø 3.3/3.75/4.2/4.5	none

TECHNICAL INFORMATION

- To be used with Ti cap for Straight abutment for screwed-in prosthesis and with Ti cap for angled abutments for screwed-in prosthesis for open-spoon transfer copings.
- Retentive design (also to be used for plaster transfer-copings)
- The pack contains 2 screws.

HEALING SCREWS FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETERO mm	TRANSMUCOSAL mm
P 943300	Ø 3.3	unique
P 940000	Ø 3.75/4.2/4.5	unique

TECHNICAL FEATURES

- **Material** Grade 5 titanium
- **Diameter** 3.3mm
- **Only one diameter** 3.75/4.2/4.5mm
- **No colour code**

TECHNICAL INFORMATION

- To be used to protect the straight abutment for screwed-in prosthesis during the prosthesis preparation phase.
- Available for diameter 3.3.
- One size only for diameter 3.75/4.2/4.5
- Healing screws are screwed with all hexagonal screwdrivers.

TRANSFER COPINGS FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 933300	Ø 3.3	none
P 930000	Ø 3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material** Grade 2 titanium
- **Diameter** 3.3mm
- **Only one diameter** 3.75/4.2/4.5mm

TECHNICAL INFORMATION

- These are used for taking impressions using the closed-spoon technique.
- ONLY for straight abutments for screwed-in prosthesis
- Transfers are screwed with all hexagonal screwdrivers.

CONO BASSO

LABORATORY ANALOGUE FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 923300	Ø 3.3	none
P 920000	Ø 3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material** Steel 1.4305
- **Only one shape** for 3,3mm
- **Only one shape for diameters** 3.75 /4.2 /4.5mm
- **Retentive shape for a stable lodging in the gypsum**

TECHNICAL INFORMATION

- Inox laboratory analogue for screwed prosthesis.
- has to be used connected to the correspondent transfer for the leakage of models

CONO ALTO

ANGLED ABUTMENTS – INCLINATION 17°, 22°, 30° AND 45° FOR SCREWED-IN PROSTHESIS

CODE	ANGLE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 423702	17°	Ø 3.75	2	yellow
P 424202	17°	Ø 4.2	2	blue
P 413702	30°	Ø 3.75	2	yellow
P 414202	30°	Ø 4.2	2	blue
P 433702	45°	Ø 3.75	2	yellow
P 434202	45°	Ø 4.2	2	blue
P 443302	22°	Ø 3.3	1	grey

TECHNICAL FEATURES

- **Materiale** Grade 5 Titanium

TECHNICAL INFORMATION

- For Screwed-in prosthesis ONLY
- Cam connection
- The pack contains the adequate connection screw, item P347700
- **Connection screw, item P313300, (screwed into the head of the abutment) used as an instrument to insert the angled abutment into the mouth, facilitates the coupling of the connection and allows to easily check the abutment orientation.**

CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 347700	Ø 3.75/4.2	none

TECHNICAL INFORMATION

- It's used to fix the angled abutment for screwed in prosthesis.
- before using the angled abutments for screwed in prosthesis, we recommend the use of the BONE MILL WITH GUIDE SCREW. (page 23)

Ti MONOBLOCCO

CODE	DIAMETER mm	TRANSMUCOSAL	COLOUR	CONO
P 9033M1	Ø 3.3	none	grey	A
P 9033M3	Ø 3.3	none	grey	A
P 9000M1	Ø 3.75/4.2/4.5	none	yellow/blue/red	A
P 9000M3	Ø 3.75/4.2/4.5	none	yellow/blue/red	A

Ø3,3 Trans.1 e 3
P 9033M1 - P 9033M3

Ø3,75/4.2/4.5 Trans.1 e 3
P 9000M1 - P 9000M3

TECHNICAL FEATURES

- **Material** Grade 5 Ti - Ti6Al4V

TECHNICAL INFORMATION

- For Screwed-in Prosthesis ONLY
- No connection screw
- Two transmucosal heights: 1mm and 3mm
- Realized for the following implant diameter 3.3/3.75/4.2/4.5mm
- Trunk-cone shape engagement portion with the superstructure to favour the insertion of the prosthesis in the presence of important disparallelisms (with angle of inclination of the walls of 30 °)
- Hexagonal head for screwing in with specific tools: item code P9801MO (manual) / item code P9802MO (ISO connection for handpiece)

SCREWDRIVERS FOR MONOBLOCCO

CODE	CONNECTION	LENGTH	CONO
P 9801MO	Manual	18.6mm	A
P 9802MO	ISO	18.5mm	A

Manual

ISO

TECHNICAL FEATURES

- **Material** AISI420MOD

TECHNICAL INFORMATION

- ONLY for Monoblocco abutment
- Manual screwdriver to be used by hand or with ratchet equipped with large insert, item code P 800000
- ISO screwdriver to be used with the handpiece or with a ratchet equipped with small insert, item code, P 900000

CALCINABLE CAPS FOR 17°, 22°, 30° AND 45° ANGLED ABUTMENTS AND MONOBLOCCO FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 430000	Ø 3.75/4.2	none

TECHNICAL FEATURES

- **Material of the calcinable cap** Plexiglass
- **Material of the secondary connection screw** Grade 5 titanium - Ti6Al4V

TECHNICAL INFORMATION

- Fully calcinable, to be used with the 17°, 22°, 30° and 45° angled abutment for screwed-in prosthesis
- The pack contains no. 2 calcinable caps and no. 2 secondary connection screws, that screw into the connection screw of the angled abutments for screwed-in prosthesis.
- To be used for angled abutments for screwed-in prosthesis ONLY: diameters 3.75/4.2mm.

SECONDARY CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 970000	Ø 3.3/3.75/4.2/4.5	none

TECHNICAL INFORMATION

- to be used for connecting the cap to the angled abutment and monoblocco for screwed-in prosthesis
- the pack contains one secondary connection screw

Ti CAPS FOR 17°,22°, 30° AND 45°ANGLED ABUTMENT AND MONOBLOCCO FOR SCREWED-IN PROSTHETIS

CODE	DIAMETER mm	COLOUR
P 420000	Ø 3.75/4.2	none

TECHNICAL FEATURES

- **Materiale of the Titanium cap** Grade 2 Titanium
- **Material of the secondary connection screw** Grade 5 titanium - Ti6Al4V

TECHNICAL INFORMATION

- Fully in Ti, has to be used with the angled abutments for screwed-in prosthesis
- The pack contains no. 2 Titanium caps and no. 2 secondary connection screws, that screw into the connection screw of the angled abutment for screwed-in prosthesis.
- To be used for angled abutments for screwed-in prosthesis ONLY: diameters 3.75/4.2 mm

SECONDARY CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 970000	Ø 3.3/3.75/4.2/4.5	none

TECHNICAL INFORMATION

- to be used for connecting the cap to the angled abutment and monoblocco for screwed-in prosthesis
- the pack contains one secondary connection screw

LONG CONNECTION SCREW FOR SCREWED-IN PROSTHESIS FOR OPEN SPOON TRANSFER COPINGS

CODE	DIAMETER mm	COLOUR
P 910000	Ø 3.75/4.2	none

TECHNICAL INFORMATION

- It is used to transform the Ti cap of the angled abutment for screwed in prosthesis for taking impressions by open spoon technique.
- it can be used also for plaster impressions.
- the pack contains two screws.

TRANSFER COPINGS FOR 17°, 22°, 30° AND 45° ANGLED ABUTMENT AND MONOBLOCCO FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 460000	Ø 3.3/3.75/4.2	none

TECHNICAL FEATURES

- **Material** Grade 2 Titanium

TECHNICAL INFORMATION

- These are used for taking impressions using the closed-spoon technique ONLY for angled abutments for screwed-in prosthesis.
- Transfers are screwed with all hexagonal screwdrivers.

HEALING SCREW FOR 17°, 22°, 30° AND 45° ANGLED ABUTMENTS AND MONOBLOCCO FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 450000	Ø 3.3/3.75/4.2 v	none

TECHNICAL FEATURES

- **Material** Ti Grade 5 Titanium
- **One size only for diameters** 3.75mm and 4.2mm.
- **No colour code**

TECHNICAL INFORMATION

- To be used to protect the angled abutments for screwed-in prosthesis during the prosthesis preparation phase.
- Healing screws are screwed with all hexagonal screwdrivers.

ANALOGUE FOR 17°, 22°, 30° AND 45° ANGLED ABUTMENT AND MONOBLOCCO FOR SCREWED-IN PROTHESIS

CODE	DIAMETER mm	COLOUR
P 440000	Ø 3.75/4.2	none

TECHNICAL FEATURES

- **Material** Steel 1.4305
- **One shape only for diameters** 3.75mm e 4.2mm

TECHNICAL INFORMATION

- Retentive shape for a stable lodging in the gypsum
- has to be used connected to the correspondent transfer for the leakage of models.
- has to be used ONLY with transfers for closed spoon imprint for angled abutments for screwed prosthesis diameters 3.75/4.2mm.

DIGITAL COMPONENTS

ANALOGUE FOR DIGITAL TECHNIQUE

CODE	DIAMETER mm	COLOUR
P 753300	Ø 3.3	none
P 753745	Ø 3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material** Steel AISI 303

TECHNICAL INFORMATION

- As laboratory device for CAD/CAM technique, it duplicates the connection and the position of the implant.
- Flat in the lower part for anti-rotational function, it has a threaded hole for fixing into the implant.
- To be used to make models from digital impression using a 3D printer.

SCANBODY FOR DIGITAL TECHNIQUE

CODE	DIAMETER mm	COLOUR
P 763300	Ø 3.3	none
P 763745	Ø 3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material** Grade 5 Ti-Ti6Al4V (sandblasted with 50 µm silica, excluding the connection part).
- **Material of the connection screw** Grade 5 Ti-Ti6Al4V.

TECHNICAL INFORMATION

- Used for taking a digital impression.
- It duplicates the position of the implant or of the analogue during CAD/CAM technique.
- A mat-surface finishing reduces errors when taking impressions using a scanner.

SCREWDRIVER FOR ANGLED CANAL

CODE	DIAMETER mm	LENGTH
P 600016	Ø	L

TECHNICAL FEATURES

- **Material** Steel 1.4197

TECHNICAL INFORMATION

- Rounded hexagonal head.
- To be used to screw the connection screw to the implant at the maximum torque, when the access hole has an angle of between 0° and 25° (on the 360° of complete rotation).
- To be used both in the front and rear areas of the mouth.

Ti LINK

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 743300	Ø 3.3	none	none
P 743700	Ø 3.75	none	none
P 744245	Ø 4.2/4.5	none	none

TECHNICAL FEATURES

- **Material** Titanium grade 5-Ti6Al4V

TECHNICAL INFORMATION

- Anti-rotational connection for personalized abutment bonding.
- To be used for single or multiple rehabilitations in those cases when it is necessary to manufacture a pin abutment for the Edierre Implant System prosthetics components.
- Cuts allow the collection of cement bonding.

Ti LINK WITHOUT CONNECTION

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 7433SC	Ø 3.3	none	none
P 7437SC	Ø 3.75	none	none
P 7445SC	Ø 4.2/4.5	none	none

TECHNICAL FEATURES

- **Material** Grade 5 Ti - Ti6Al4V

TECHNICAL INFORMATION

- Abutment for bonding with "personalized" abutment made of different materials.
- To be used connected to the implant with the specific screw.
- No anti-rotational connection
- To be used in case of disparallel implants for multiple rehabilitations in all cases when it is necessary to create a pin abutment for the Edierre Implant System prosthetic components.
- The two slots allow the collection of the cement bonding.
- Link height: 6mm, to offer a larger surface in case of high definitive teeth.

Ti PRE-MILLED FOR DIGITAL TECHNIQUE

CODE	DIAMETER mm	TRANSMUCOSAL mm	COLOUR
P 773300	Ø 3.3	none	none
P 773700	Ø 3.75	none	none
P 774200	Ø 4.2	none	none
P 774500	Ø 4.5	none	none

TECHNICAL FEATURES

- **Material** Titanium in Grade 5 Ti6Al4V

TECHNICAL INFORMATION

- Semi-finished device for CAD/CAM.
- To be used to plan a personalized abutment with CAD/CAM technology.
- It has a four-lobed or three-lobed cam connection.
- Equipped with a reference groove for the correct orientation of the connection.
- The pack does not contain the special connection screw P333300/ P347700

DIGITAL COMPONENTS
CONO BASSO

SCANBODY FOR DIGITAL TECHNIQUE FOR STRAIGHT ABUTMENT FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 769033	Ø 3.3	grey
P 769037	Ø 3.75/4.2/4.5	yellow/blue/red

TECHNICAL FEATURES

- **Material** Grade 5 Titanium - Ti6Al4V
- **Material of the secondary connection screw P 970000** Grade 5 Titanium - Ti6Al4V

TECHNICAL INFORMATION

- Used for taking a digital impression. (sandblasted with 50 µm, excluding the connection part).
- It duplicates the position of the implant or of the analogue during CAD/CAM technique.
- A mat-surface finishing reduces errors when taking impressions using a scanner.
- To be used for Straight abutment for Screwed-in Prosthesis ONLY.

Ti CAPS FOR DIGITAL TECHNIQUE FOR STRAIGHT ABUTMENTS FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 793300	3.3	none
P 793745	3.75/4.2/4.5	none

TECHNICAL FEATURES

- **Material** Titanium grade 5-Ti6Al4V.
- **Material of the secondary connection screw** Titanium grade 5-Ti6Al4V.

TECHNICAL INFORMATION

- Completely in Ti for digital technology. It is used with the straight abutment for screwed-in prosthesis diameters
- 3.3/3.75/4.2/4.5 mm.
- Secondary connection screw for each cap.
- Reduced dimentions and thickness to allow digital technologies process.
- The pack contains no.2 Ti cups and no.2 secondary connection screw, item P 9700000

SECONDARY CONNECTION SCREW

CODE	DIAMETER mm	COLOUR
P 970000	Ø 3.75/4.2	none

TECHNICAL INFORMATION

- It is used to fix the cap to the straight abutment for screwed-in prosthesis
- The pack contains a secondary connection screw

SCANBODY FOR DIGITAL TECHNIQUE FOR MONOBLOCCO AND ANGLED ABUTMENTS FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P 7600AM	Ø 3.3/ 3.75/4.2	grey/yellow/blue

TECHNICAL FEATURES

- **Material** Grade 5 Titanium - Ti6Al4V (sandblasted with 50 µm, excluding the connection part)
- **Material of the secondary connection screw P 970000** Grade 5 Titanium - Ti6Al4V

TECHNICAL INFORMATION

- Used for taking a digital impression.
- It duplicates the position of the implant or of the analogue during CAD/CAM technique.
- A mat-surface finishing reduces errors when taking impressions using a scanner.
- To be used for MONOBLOCCO and Angled abutment for Screwed-in Prosthesis ONLY.

Ti CAPS FOR DIGITAL TECHNIQUE FOR ANGLED ABUTMENTS AND MONOBLOCCO FOR SCREWED-IN PROSTHESIS

CODE	DIAMETER mm	COLOUR
P713745	Ø 3.75/4.2	none

TECHNICAL FEATURES

- **Material** Titanium grade 5 - Ti6Al4V
- **Material of the secondary connection screw** Titanium grade 5 - Ti6Al4V

TECHNICAL INFORMATION

- Fully in titanium available for diameters of Angled abutments for screwed-in prosthesis: 3.75/4.2mm
- Secondary connection screw for each cap
- Reduced dimensions and thickness to allow digital technologies process
- The pack contains no.2 Caps and no.2 Secondary connection screws, item P 970000

SECONDARY CONNECTION SCREW

CODICE	DIAMETRO mm	COLOUR
P 970000	Ø 3.75/4.2	none

TECHNICAL INFORMATION

- It is used to fix the cap to the angled abutment for screwed-in prosthesis
- The pack contains a secondary connection screw

NOTES

NOTES

NOTES

INFORMATION FOR PATIENTS

The implantological patient finds a brief description about clinical advise, quality, technology, certification and an explanation about the advantages of today's implantology.

SMILE
TECHNOLOGY

Customized devices and Certified Digital Solutions

QUALITY, EFFICIENCY, FLEXIBILITY

in four steps:

STEP 1
3D scan and drawing with intraoral scanner

STEP 2
sending of digital data by the Smile Technology form

STEP 3
manufacturing and certification of prosthetic restoration

STEP 4
positioning of he final restoration on the patient

QUALITY ASSURED
The Primer Dental System is certificated, original, quality guaranteed and safe.

CERTIFIED PRODUCT
100%

MAXIMUM FLEXIBILITY
Digital data are managed leaving the client free of sustainable investment

EFFICIENCY
Digital data avoid traditional impressions and merges during the prosthetic restoration and guarantee the highest quality.

SMILE TECHNOLOGY is a brand of

edierre
implant system

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The texts may be subject to change without notice.

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NEWS AND COURSES

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